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DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MARTIN MARIETTA AIRFIELD MD
N 39 20 W 76 25 FLD ELEV 24 FT MTN

WBAN# 93744
WMO #

PARTS A-F

FOR FROM HOURLY OBS: AUG 70 - FEB 79
FOR FROM DAILY OBS: AUG 70 - JUL 76

AUG 02 1970

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Wayne E. McCollom
WAYNE E. MCCOLLOM, Chief
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USAFETAC/TST

FOR THE COMMANDER

Walter S. Burghann
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AWS Scientific and Technical
Information Officer (STINFO)

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS- 81/029	2 GOVT ACCESSION NO	3. RECIPIENT'S CATALOG NUMBER															
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Martin Marietta Airfield MD. It It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

Maryland
Martin Marietta Airfield, MD

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-02, 03-05

APRIL 00-02, 03-05

JULY 00-02, 03-05

OCTOBER 00-02, 03-05

FEBRUARY "

MAY "

AUGUST "

NOVEMBER "

MARCH "

JUNE "

SEPTEMBER "

DECEMBER "

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
93744	MARTIN-MARIETTA/MARYLAND	N39 20	W 76 25	24	MTN	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1	Martin Marietta Airfield MD		Aug 70	Feb 79	N 39 20	W 76 25	24 ft	45 ft	15

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 70	Located 500 ft from centerline and and 2400 ft from end of rnwy 14.	TMQ-15	RO-362	28 ft	
2	Feb 79	Same	Same	Same	Same	

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

(Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02												
	03-05												
	06-08		9.2	1.4	3.4		14.0	20.4	7.0			24.6	358
	09-11		8.2	.7	4.0		12.6	19.6	10.8			27.8	729
	12-14	.1	7.3	.7	4.1		11.7	14.4	11.2	.3		24.9	716
	15-17		8.3	.2	2.5		11.0	12.8	7.4	.3		18.9	647
	18-20		5.9	1.3	4.6		11.2	9.0	3.0			11.4	525
	21-23		6.8	1.0	7.0		14.5	6.5	1.7			7.7	414
TOTALS		.1	7.6	.9	4.3		12.5	13.8	6.9	.1		19.2	3389

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 STATION MARTIN MARTETTA AIRFIELD MD 71-75 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02												1
	03-05												2
	06-08		4.5	1.8	2.9		10.1	18.2	11.9	.6		28.4	335
	09-11	.1	5.2	1.5	5.4		11.7	16.5	13.4	.3		26.9	673
	12-14		6.5	.6	4.0		11.2	11.4	11.6	.3		21.0	649
	15-17	.2	7.2	.7	4.1		11.5	11.2	8.9	.3		19.0	615
	18-20		7.7	1.2	5.9		14.9	13.2	8.6	.6		20.8	491
	21-23		8.4	.5	7.8		16.5	13.7	5.8	.9		16.5	395
TOTALS		.0	4.9	.8	4.0		9.5	10.5	7.5	.4		16.6	3161

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 MARTIN MARIETTA AIRFIELD MD 71-76 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02												2
	03-05												
	06-08	.3	11.1	.4	2.7		14.2	22.0	15.1	.3		32.8	332
	09-11		13.2		2.2		14.9	16.7	14.1			28.2	645
	12-14	.3	12.1		2.1		13.6	15.0	9.3			22.4	634
	15-17	.3	7.5	.2	.9		8.6	10.6	7.2			16.8	573
	18-20	.9	7.3		1.1		8.5	8.0	2.7			10.0	449
	21-23	.3	6.7		1.4		7.8	7.2	1.7			8.4	345
TOTALS		.3	6.3	.1	1.5		9.7	11.4	7.2	.2		16.9	2980

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 MARTIN MARIETTA AIRFIELD MD 71-76 APR
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02												1
	03-05												4
	06-08	.6	10.1		.3		10.1	8.9	10.4			17.8	338
	09-11	.3	9.3				9.3	7.6	7.7			15.0	621
	12-14	.3	9.4				9.4	7.4	3.7			11.0	618
	15-17	.5	6.6	.2			6.8	5.6	3.8			8.9	572
	18-20		6.6	.4			7.0	5.3	3.5			7.9	456
	21-23	.3	8.9	.1	.3		9.3	4.9	1.2			6.2	325
TOTALS		.3	6.4	.2	.1		6.5	5.0	3.8			8.4	2935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 MARTIN MARJETTA AIRFIELD MD 71-78 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02												2
	03-05												
	06-08	.4	14.3				14.3	31.1	21.7			43.6	488
	09-11	.3	11.5				11.5	18.0	18.3			33.1	635
	12-14	.3	11.7				11.7	11.0	18.1			27.3	626
	15-17	1.3	12.8				12.8	8.9	15.6			22.8	539
	18-20	2.4	11.1				11.1	8.8	16.4			23.2	452
	21-23	.5	11.6				11.6	12.0	8.3			18.5	216
TOTALS		.7	10.4				10.4	12.8	14.1			24.1	2958

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 STATION MARTIN MARETTA AIRFIELD MD 71-78 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02												1
	03-05												
	06-08	.6	5.2				5.2	24.3	35.1			48.1	478
	09-11	.3	5.9				5.9	10.9	33.3			39.1	624
	12-14	.5	4.4				4.4	3.9	30.6			32.4	618
	15-17	2.9	5.6				5.6	1.9	24.6			25.3	517
	18-20	2.5	8.0				8.0	3.7	21.6			25.3	435
	21-23	4.7	4.6				6.6	5.2	12.7			16.4	213
TOTALS		1.6	5.1				5.1	7.1	22.6			26.7	2886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 MARTIN MARIETTA AIRFIELD MD 71-70 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUL	00-02												
	03-05							50.0	50.0			100.0	2
	06-08	.6	5.1				5.1	27.3	42.1			52.8	487
	09-11	.3	5.3				5.3	8.5	41.3			45.8	627
	12-14	.8	4.1				4.1	3.4	40.4			41.9	616
	15-17	2.3	5.3				6.3	2.5	38.3			39.8	525
	18-20	4.1	6.9				6.9	5.7	34.6			37.1	437
	21-23	2.8	6.9				6.9	6.9	25.3			28.1	217
TOTALS		1.6	4.9				4.9	14.9	38.9			49.4	2911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-76 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
AUG	00-02												
	03-05								50.0			50.0	4
	06-08		2.2				2.2	35.1	50.1			64.7	587
	09-11	.1	3.1				3.1	10.2	50.9			53.7	738
	12-14	1.2	3.6				3.6	4.4	43.7			45.4	721
	15-17	3.1	6.4				6.4	4.2	39.4			42.1	642
	18-20	4.0	9.1				9.1	5.6	34.7			38.2	519
	21-23	4.5	9.4				9.4	7.9	27.0			30.3	267
TOTALS		1.8	4.8				4.8	9.6	42.3			46.3	3478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-78 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
SEP	00-02												
	03-05		100.0				100.0	100.0				100.0	1
	06-08	.9	8.9				8.9	33.0	35.5			55.6	561
	09-11	.3	6.9				6.9	12.3	35.9			43.4	708
	12-14	.3	5.2				5.2	6.0	28.6			33.0	697
	15-17	1.8	5.7				5.7	2.8	25.2			27.0	599
	18-20	1.2	5.1				6.1	4.1	21.2			23.7	510
	21-23	.8	5.4				5.4	7.7	12.6			18.4	261
TOTALS		.6	19.7				19.7	23.7	22.7			43.0	3337

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 MARTIN MARIETTA AIRFIELD MO 70-78 UCT
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	PREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
UCT	00-02												
	03-05												3
	06-08		9.1				9.1	32.9	15.2			40.2	560
	09-11		9.8				9.8	16.8	22.4			35.7	736
	12-14		8.3		.1		8.3	8.9	16.8			24.1	721
	15-17	.2	7.0				7.0	5.9	10.6			16.5	630
	18-20		6.8		.2		7.0	5.5	6.2			11.8	544
	21-23	.7	8.9				8.9	8.5	5.3			12.8	282
TOTALS		.1	7.1		.0		7.2	11.2	10.9			20.2	3476

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	POC	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	00-02												1
	03-05												
	06-08		8.2	.3	.9		9.4	30.8	16.6			37.8	331
	09-11		7.9	.3	.7		8.7	19.0	17.0			32.3	699
	12-14		9.2		.4		9.5	15.3	11.6			24.3	692
	15-17		9.5		.6		9.6	11.5	12.0			22.7	633
	18-20	.4	11.6		.5		12.0	12.4	4.9			16.7	491
	21-23		10.6		.2		10.9	14.6	3.0			16.8	405
TOTALS		.1	8.1	.1	.5		8.6	14.8	9.3			21.5	3252

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744
STATION

MARTIN MARETTA AIRFIELD MD
STATION NAME

70-76
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JEC	00-02												
	03-05												1
	06-08		11.7		.9		12.7	17.7	9.2			23.1	316
	09-11		11.2	.2	.4		12.3	14.3	12.5			24.0	658
	12-14		10.4		1.2		11.5	12.6	10.7			20.5	644
	15-17		11.5		.7		12.1	11.3	9.1			19.1	593
	18-20		10.9		1.0		11.7	9.3	2.1			11.3	486
	21-23		13.1		2.3		15.4	10.4	2.3			12.6	396
TOTALS			9.8	.0	1.0		10.8	10.8	6.6			15.8	3094

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

93744 STATION MARTIN MARIETTA AIR FIELD MD 70-79 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	7.6	.9	4.3		12.5	13.8	6.9	.1		19.2	3389
FEB		.0	4.9	.8	4.0		9.5	10.5	7.5	.4		16.6	3161
MAR		.3	8.3	.1	1.5		9.7	11.4	7.2	.0		16.9	2980
APR		.3	6.4	.2	.1		6.5	5.0	3.8			8.4	2935
MAY		.7	10.4				10.4	12.8	14.1			24.1	2958
JUN		1.6	5.1				5.1	7.1	22.6			26.7	2886
JUL		1.6	4.9				4.9	14.9	38.9			49.4	2911
AUG		1.6	4.6				4.8	9.6	42.3			46.3	3478
SEP		.8	19.7				19.7	23.7	22.7			43.0	3337
OCT		.1	7.1		.0		7.2	11.2	10.9			20.2	3476
NOV		.1	8.1	.1	.5		8.6	14.8	9.3			21.5	3252
DEC			9.8	.0	1.0		10.8	10.8	6.6			15.8	3094
TOTALS		.6	8.1	.2	1.0		9.1	12.1	16.1	.0		25.7	37857

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
XX WEATHER CONDITIONS XX
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-76 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	DAILY	.7	26.3	2.6	14.5		32.9	30.3	32.2			41.4	152
FEB		2.8	32.6	5.0	16.3		38.3	30.5	28.4			45.4	141
MAR		3.3	32.7	.7	6.5		35.9	30.7	30.1	.7		41.2	153
APR		5.3	33.3	1.3	2.0		33.3	20.0	22.7			32.7	150
MAY		12.6	45.0			.7	45.0	35.1	38.4			51.7	151
JUN		14.9	33.1			.7	33.1	33.1	60.1			65.5	148
JUL		14.3	31.0			.6	31.0	33.9	63.1			64.3	168
AUG		11.7	26.6			.4	26.6	39.6	66.9			68.2	154
SEP		8.2	29.3				29.3	38.8	56.5			61.2	147
OCT		.7	28.8		.7		28.8	44.4	51.6			57.5	153
NOV		2.1	31.5		4.2		32.2	27.3	33.6			39.9	143
DEC			35.8		8.2		39.6	29.9	28.4			39.6	134
TOTALS		6.4	32.2	.8	4.4	.2	33.8	32.8	42.7	.1		50.7	1794

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- * 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

- * 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00" equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0" equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0" equals none for the month (whole inches)

- * 3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values including standard deviations do not include measurements from incomplete months.

- NOTES:**
- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
 - (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 36, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
 - (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800GMT
Jan 46-May 47	at 1230GMT
Jun 47-present	at 1200GMT

U. S. Navy and National Weather Service (NWS)

Beginning thru Jun 30	at 0030GMT
Jul 30-May 37	at 1230GMT
Jun 37-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

99744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-76
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-05	06-10	11-25	26-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	53.3	4.6	1.3	7.9	5.3	10.9	7.9	6.6	2.0	.7				42.1	152	.00	6.66	2.60
FEB	46.1	9.2	3.7	6.4	7.1	12.1	3.5	7.8	2.1					44.7	141	.00	5.35	1.64
MAR	51.6	5.9	3.3	7.8	5.9	9.8	8.5	6.5	.7					42.5	153	.00	3.74	1.67
APR	56.0	4.7	3.3	4.7	4.0	6.7	8.0	9.3	3.3					39.3	150	.00	6.67	1.88
MAY	40.4	10.6	.7	11.3	4.6	8.6	11.3	8.6	4.0					49.0	151	.00	5.81	2.68
JUN	49.3	7.4	1.4	9.5	4.7	4.1	7.4	10.1	5.4		.7			43.2	148	.00	10.93	3.15
JUL	54.2	3.6	3.0	10.7	4.2	8.9	4.8	5.4	3.6	1.8				42.3	168	.00	10.16	2.02
AUG	61.6	5.2	3.9	5.2	5.8	4.5	4.5	7.8	.6	.6	.6			33.8	154	.00	13.67	1.44
SEP	56.5	5.4	4.8	6.8	3.4	5.4	4.8	4.8	7.5	.7				38.1	147	.00	9.74	.68
OCT	66.0	3.3	1.3	9.2	7.8	3.3	.7	4.6	3.9					30.7	153	.00	6.19	1.68
NOV	59.4	4.2	.7	4.9	9.1	7.0	4.2	5.6	4.9					36.4	143	.00	7.01	1.37
DEC	50.7	7.5	3.7	7.5	5.2	9.0	6.0	3.7	6.7					41.8	134	.00	6.31	1.29
ANNUAL	53.7	6.0	2.8	7.7	5.6	7.5	6.0	6.7	3.7	.3	.1			40.3	1794	.00	✕	✕

GLOBAL CLIMATE DIVISION
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

92744
 STATION

MARTIN MARETTA AIRFIELD MD
 STATION NAME

70-76
 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	84.2	11.6	.7	1.2	.7		.7	.7						3.9	132	.0	6.6	.0
FEB	79.4	12.1	.7	4.2	1.4			2.1						6.8	141	.0	11.0	TRACE
MAR	92.2	3.9	1.2	1.2	1.2									3.9	132	.0	3.1	.0
APR	98.7	1.2														1.5	TRACE	TRACE
MAY	100.0															1.5	.0	.0
JUN	100.0															1.5	.0	.0
JUL	100.0															1.5	.0	.0
AUG	100.0															1.5	.0	.0
SEP	100.0															1.5	.0	.0
OCT	99.2	.7														1.5	TRACE	TRACE
NOV	95.8	4.2														1.5	TRACE	TRACE
DEC	91.6	5.2	.7	.7	.7		.7							3.9	132	.0	4.0	.0
ANNUAL	95.1	3.2	.2	.6	.3		.1	.2						1.6	1794	.0		

CLIMATE CLIMATOLOGY BRANCH
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION 93744 MARTIN MARITTA AIRFIELD MD

70-76

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	78.9	19.1	3.0		.7	1.3								9.9	152			
FEB	85.1	8.9	2.1	2.1	1.4		.7							6.4	141			
MAR	96.7	2.0	.7	.7										1.3	138			
APR	100.0														150			
MAY	100.0														151			
JUN	100.0														148			
JUL	100.0														168			
AUG	100.0														154			
SEP	100.0														147			
OCT	100.0														159			
NOV	100.0														149			
DEC	95.3	2.2	.7	1.5										2.2	134			
ANNUAL	96.3	2.3	.6	.4	.2	.1	.1							1.3	1794			

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARIABLE.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-79 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0600-0800
HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.4	1.1									4.7	4.6
NNE	1.1	1.4	1.7									4.2	5.3
NE	.3	1.7	.6									2.5	5.3
ENE	.3	.6	2.2	.6	.3							3.9	9.0
E	.6	1.7	.6	.6								3.4	6.5
ESE		.3	.3									.6	7.0
SE	.3	1.4										1.7	4.7
SSE	.6	.6										1.1	4.0
S	.6	.6	.6	.3								2.0	5.7
SSW	.3	.8	.3									1.4	4.6
SW	1.1	1.1	1.4		.3							3.9	6.4
WSW	1.4	1.4	.6	.6	.3	.3						4.5	7.8
W		3.9	6.7	2.2	.6							13.4	8.7
WNW	.6	1.1	4.5	3.6	.3							10.1	9.5
NW	3.1	5.0	3.6	2.0	.6							14.2	7.2
NNW	2.2	1.4	2.0	.3								5.9	5.9
VARBL													
CALM												22.6	
	14.5	24.3	26.0	10.1	2.2	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 358

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARETTA AIRFIELD MD
STATION NAME

71-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	1.3	1.1								4.3	7.8
NNE	.6	1.0	.6	.4								2.5	6.7
NE	.6	1.4	1.4	.6								3.9	6.9
ENE	.1	2.0	1.1	.1								3.4	6.5
E	.6	2.0	.1	.1								2.8	5.1
ESE	.4	1.7	1.4		.3							3.8	7.0
SE	.8	3.1	2.4									6.3	5.9
SSE	.4	2.8	2.1	.4								5.7	6.8
S	.8	1.3	1.3	.4								3.8	6.6
SSW	.4	1.0	1.5	.3								3.2	7.0
SW	.3	1.1	2.2	.3								3.9	7.5
WSW	.3	.7	2.1	.3	.6							3.9	9.9
W	.3	1.3	5.7	4.2	1.8	.3						13.5	11.8
WNW	.1	1.5	6.7	6.4	.8							12.6	11.3
NW	.6	1.7	4.9	4.1	.8	.3						12.3	10.8
NNW	.3	1.1	2.4	1.8	.1							5.7	9.7
VARBL													
CALM												5.3	
	7.4	24.6	37.2	20.5	4.5	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	1.7	.8								4.6	7.4
NNE	.3	.3	.6	.6								1.9	8.8
NE	.3	1.1	.9	.3								2.6	6.6
ENE	.3	1.9	.9	.3								3.4	6.3
E	1.7	2.5	.5		.2							4.8	4.8
ESE	1.4	2.0	1.1	.2								4.6	5.1
SE	1.7	2.6	.9									5.3	4.8
SSE	.4	2.2	2.0									5.7	6.4
S	.3	2.0	2.5	.2								4.9	7.1
SSW	.3	.6	.9									1.9	6.1
SW	.3	.8	.8	.2								2.0	6.5
WSW	.2	.6	1.7	.3	.2							2.9	8.8
W	.2	1.2	5.6	5.6	1.5	.2	.2					14.5	12.1
WNW	.3	.8	6.3	6.8	1.1							15.3	11.5
NW	.2	1.4	7.3	2.0	1.1							12.5	10.3
NNW	.2	1.5	3.7	1.1								6.5	8.6
VARBL													
CALM												6.5	
	9.3	22.9	38.0	18.9	4.0	.3	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

647

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-79 YEARS JAN MONTH 1800-2000 HOURS (LST.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	1.0									4.4	5.1
NNE	.2	.8	1.1	.2	.4							2.7	9.1
NE	.8	.4	.2									1.3	4.0
ENE	.8	1.1	.8	.6								3.2	6.6
E	.6	1.5	1.0									3.1	5.5
ESE	1.0	1.5	.2									2.7	4.1
SE	.4	.4	.2									1.0	4.2
SSE	.4	2.5	1.3									4.2	5.9
S	.6	4.2	1.3	.4								6.5	6.1
SSW	.6	.8	.8									2.1	5.9
SW	.2	.6	.4									1.1	5.3
WSW	.2	1.5	2.1	.8								4.6	8.2
W	.4	3.2	7.3	1.9	1.5	.2						14.5	9.8
WNW	1.1	2.7	7.6	4.8	1.1	.2	.2					17.7	10.4
NW	1.3	1.5	4.8	2.1	.4	.2						10.3	9.3
NNW	1.9	1.1	.8	.6	.4							4.8	6.7
VARBL													
CALM												15.8	
	11.3	26.3	30.7	11.3	3.8	.6	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.5									2.7	3.6
NNE	.7	1.7	.5	.7								3.6	6.6
NE	.2	.7	.5		.2							1.7	7.6
ENE	.5	1.0	.7									2.2	5.8
E	.7	1.2	.7	.2								2.9	5.6
ESE	.5	1.4	.7									2.7	6.2
SE	.7	.5	.2									1.4	4.7
SSE	.7	1.2	.5									2.4	4.7
S	.7	2.2	1.2	1.2	.2							5.6	7.9
SSW	.5	1.0										1.4	4.0
SW			.5									.5	7.5
WSW		1.0	.5	.2								1.7	7.3
W		3.4	7.7	2.9	1.4							15.5	10.3
WNW	.5	3.6	9.7	5.6	1.2							20.5	10.3
NW	.7	3.9	2.9	2.2	.5	.2						10.4	8.7
NNW		1.0	.2	.5	.2							1.9	9.6
VARBL													
CALM												22.9	
	7.7	24.6	27.1	13.5	3.9	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 414

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARETTA AIRFIELD MD 71-79 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER ALL
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.5	.4								4.5	6.4
NNE	.5	1.1	.9	.4	.1							2.9	6.9
NE	.5	1.2	.9	.2	.0							2.8	6.2
ENE	.5	1.7	1.2	.3	.1							3.7	6.6
E	.5	1.7	.5	.2	.0							3.3	5.4
ESE	.6	1.5	.7	.0	.1							2.9	5.6
SE	.7	1.6	.8									3.2	5.2
SSE	.6	1.7	1.3	.1								3.7	6.2
S	.8	2.0	1.3	.4	.0							4.6	6.5
SSW	.5	1.0	.8	.1	.0							2.4	5.9
SW	.4	.9	1.1	.2	.0							2.7	6.6
WSW	.5	1.2	1.7	.4	.2	.1						4.0	8.3
W	.2	2.1	6.1	3.8	1.4	.1	.0					13.8	10.9
WNW	.5	2.1	6.7	4.9	.9	.0	.0					15.2	10.6
NW	.9	2.3	4.9	3.0	.6	.1						12.0	9.6
NNW	.9	1.3	2.1	1.2	.1							5.6	8.1
VARBL													
CALM												12.9	
	10.1	25.0	32.4	15.6	3.7	.4	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 3388

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARETTA AIRFIELD MD 71-79 YEARS
ALL WEATHER CLASS
FEB NORTH
0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.3	1.2	.9	.3	.3						6.9	7.8
NNE	.6	2.7	2.7									6.0	6.3
NE	1.8	1.2	.9	.3								4.2	5.6
ENE	.3	3.0	2.1		.3							5.7	7.2
E	.6	1.5	.3									2.4	4.8
ESE	.3	.3	.3									.9	5.0
SE		.3	.6									.9	7.3
SSE	.9											.9	1.3
S	1.5	1.2	.6	.3								3.6	5.0
SSW	1.2	.6										1.8	3.2
SW	.3	.9	.3									1.5	4.8
WSW	.6	1.2	.9	.3								3.0	6.7
W	.3	3.0	3.0	1.8	.3							8.4	8.4
WNW	2.4	2.7	7.2	1.5								13.7	7.5
NW	.9	3.6	3.6	1.5	.6	.3						10.4	8.6
NNW	2.4	2.4	2.7	.3	.3							8.1	6.0
VARBL													
CALM												21.8	
	14.9	27.8	26.3	6.9	1.8	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 335

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-79 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	3.9	1.6	.1							7.3	9.0
NNE	.4	1.6	1.9	.1								4.2	6.8
NE	.3	1.9	2.2	.7								5.2	7.5
ENE	.6	3.3	1.2	.6								5.6	6.4
E	.9	1.6	1.0	.3		.3						4.2	7.4
ESE	.6	2.7	.3									3.6	4.9
SE	.6	1.2	.7	.3								2.8	6.5
SSE	.9	1.5	1.0									3.4	5.3
S	.9	2.4	.9	.1	.1	.1						4.6	6.7
SSW	.7	2.2	.6	.3								3.9	5.7
SW	.4	1.3	.9	.3								3.0	6.3
WSW		1.8	1.8	.7		.1						4.5	8.5
W	.1	1.9	3.1	2.7	.4	.1						8.5	10.1
WNW	.1	1.3	6.1	3.1	.6							11.3	10.2
NW	.3	1.9	5.3	3.9	1.3	.3						13.1	10.9
NNW	.3	.7	2.8	1.6	.1							5.8	9.4
VARBL													
CALM												9.2	
	7.6	26.8	33.9	16.0	2.8	1.0						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	2.0	1.5	.2							5.3	9.4
NNE		1.5	.8	.3								2.6	7.1
NE	.2	.8	2.0	.5								3.4	8.2
ENE	.3	1.4	2.3	.3								4.3	7.5
E	.5	2.3	1.2									4.0	5.6
ESE	.6	2.5	1.4									4.5	5.7
SE	.8	3.5	4.6									8.9	6.6
SSE	.3	3.4	2.8	1.2								7.7	7.7
S	.3	2.0	2.6	1.2	.3	.2						6.6	9.0
SSW	.3	.5	.3	.2								1.2	6.5
SW	.2	.9	.8	.3								2.2	7.5
WSW	.2	.2	2.2	.6								3.1	9.5
W		2.2	2.8	4.2	1.2							10.3	11.2
WNW	.3	.8	4.9	5.2	.9							12.2	11.4
NW	.2	.6	5.4	4.9	2.2							13.3	12.0
NNW	.3	1.5	2.6	2.5	.3							7.2	10.0
VARBL													
CALM												2.9	
	4.5	25.1	39.3	23.0	5.1	.2						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

649

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-79 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	3.4	.6	.2							6.2	8.7
NNE	.2	.5	2.1	.2								2.9	8.1
NE	.2	1.1	.8	.2								2.3	6.6
ENE		2.8	2.0	.3								5.0	6.7
E	.5	2.3	1.3									4.1	5.9
ESE	.5	3.1	.7	.2								4.4	5.4
SE	1.3	4.4	2.6	.3								8.6	6.1
SSE	.5	3.3	4.1	1.1								8.9	7.4
S	.3	2.4	3.7	1.2								7.8	8.0
SSW		1.1	.3	.3								1.8	7.5
SW	.2	.5	1.0	.2	.2							2.0	9.0
WSW	.2	.3	1.8	1.1								3.4	10.1
W	.2	.7	3.1	3.1	1.0							8.0	11.8
WNW	.2	.7	5.9	3.2	1.0							11.5	11.3
NW	.2	1.5	7.0	4.7	1.1	.2						14.6	11.0
NNW		.3	4.8	1.1	.3							6.2	10.0
VARBL													
CALM												2.3	
	4.2	26.7	44.2	18.7	3.7	.2						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-79 YEARS FEB MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.1	1.6	.4	.2							7.9	6.0
NNE	1.2	2.2	1.8	.2								5.5	6.0
NE	.4	1.6	2.0									4.1	6.8
ENE	.5	2.0	1.6	.4								4.9	6.0
E	1.0	1.2	1.0	.4								3.7	6.3
ESE	1.2	.6	.4									2.2	3.8
SE	1.4	1.2	.4									3.1	4.4
SSE	.6	1.8	1.2	.2								3.9	6.2
S	1.2	2.9	3.1	.6								7.9	6.9
SSW	.2	.6	.4									1.2	5.7
SW		1.2	1.8	.4								3.5	8.1
WSW		.6	.2	.2								1.0	6.8
W		2.0	3.1	1.2								6.3	8.7
WNW		1.8	6.9	4.1	.8							13.6	10.3
NW	.8	3.9	3.5	2.4	.8							11.4	8.8
NNW	.6	2.6	2.4	.6								6.5	6.8
VARBL													
CALM												13.2	
	11.4	30.5	31.6	11.4	1.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 491

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-79 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

2100-2300

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	.6	.3								4.8	5.2
NNE	.9	2.3	2.3									5.3	6.3
NE	.6	2.3	1.8	.3								5.1	6.3
ENE	.5	1.8	.8	.3	.8							4.1	8.6
E	.3	2.7	.3	.3								2.9	6.1
ESE	.3	1.3	.3									1.8	4.9
SE		1.0										1.0	4.8
SSE	.3	.8	.5									1.5	6.3
S	.3	2.3	.5									3.0	5.3
SSW	.3	.5										.8	4.3
SW	.3	.3										.5	3.5
WSW	.3	1.5	.6	.2								3.0	6.9
W	.3	1.0	2.5	1.5	.5	.3						6.1	10.9
WNW	.6	4.3	3.8	5.6	.5							15.0	9.5
NW	1.5	4.1	4.6	1.6	1.0							12.9	8.6
NNW	1.6	2.8	.8	.3	.3							5.8	5.5
VARBL													
CALM												20.4	
	9.6	30.5	19.5	10.7	3.0	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.1	2.5	1.0	.2	.1						6.5	8.0
NNE	.5	1.7	1.8	.2								4.1	6.7
NE	.5	1.5	1.7	.3								4.0	7.0
ENE	.4	2.4	1.7	.3	.1							4.9	6.9
E	.6	1.9	1.0	.2		.1						3.7	6.2
ESE	.6	2.0	.6	.0								3.2	5.1
SE	.8	2.2	1.7	.1								4.8	6.1
SSE	.6	2.0	1.8	.5								4.9	6.9
S	.7	2.2	2.1	.7	.1	.1						5.9	7.4
SSW	.4	1.0	.3	.2								1.9	5.8
SW	.2	.9	.9	.2	.0							2.2	7.3
WSW	.2	.9	1.4	.6		.0						3.1	8.6
W	.1	1.7	2.9	2.6	.6	.1						8.1	10.4
WNW	.5	1.7	5.8	4.3	.7							12.6	10.2
NW	.5	2.3	5.1	3.5	1.3	.1						12.9	10.4
NNW	.7	1.6	2.8	1.2	.2							6.5	8.4
VARBL													
CALM												10.7	
	7.9	28.0	34.1	15.7	3.2	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 3157

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8	2.1	.9								6.0	6.9
NNE	.9	3.6	1.5									6.0	5.4
NE	.3	2.7	2.4	.6								6.0	7.2
ENE		2.4	2.7	1.2								6.3	7.7
E	1.5	3.6	1.2	.3								6.6	5.4
ESE	.6	.9	.6	.6								2.7	7.4
SE	.3	.9	.9	.3								2.4	7.1
SSE	1.5	.3	.6									2.4	4.4
S	.6	1.8	.9	1.2								4.5	7.2
SSW		1.2	1.2	.6								3.0	8.1
SW		.3	.9									1.2	6.8
WSW	.3	.6	.9									1.8	7.2
W	1.2	4.8	2.1	2.4								10.6	7.2
WNW	.5	2.4	4.8	3.3	.3	.3						11.8	9.6
NW	1.5	1.8	4.5	2.1	.3							10.3	8.6
NNW	.9	.6	2.1	.9								4.5	7.6
VARBL													
CALM												13.6	
	11.2	29.9	29.6	14.5	.6	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 331

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	.6	1.7	1.7	.2							4.8	9.5
NNE		.8	1.6	1.1								3.4	9.1
NE	.3	2.6	2.9	.8								6.7	7.6
ENE	.3	2.8	4.2	.6								7.9	7.4
E	.5	2.0	2.8	.3								5.6	6.9
ESE	1.7	2.9	1.9	.2	.2							6.8	6.0
SE	1.1	2.2	1.2	.3								4.8	5.9
SSE	.6	1.6	2.2	1.7	.2							6.2	8.4
S	.3	1.6	1.9	.8	.2							4.7	8.0
SSW	.2	.9	1.2	.2	.2							2.6	8.0
SW	.3	.2	.6	.5								1.6	8.6
WSW	.3	.9	1.4	.5								3.1	8.1
W	.2	.6	2.2	1.7	.8	.5						6.0	12.0
WNW	.2	.6	4.8	3.4	1.7							10.7	12.0
NW	.3	.9	5.7	5.1	1.2	.5						13.8	11.8
NNW	.3	.9	3.1	1.6								5.9	9.4
VARBL													
CALM												5.4	
	7.1	22.3	39.4	20.3	4.5	.9						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 645

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS MAR MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	1.9	1.3								4.1	9.7
NNE	.3	.6	1.6	.6								3.2	8.5
NE	.5	.9	1.7	1.3								4.4	8.5
ENE	.2	2.1	3.6	.8	.2							6.8	8.3
E	.4	1.9	1.6	.5								4.9	6.4
ESE	.6	3.3	2.1	.2								6.2	6.1
SE	.8	4.1	5.2	1.4								11.5	7.3
SSE	.3	2.2	4.3	.6								7.4	7.7
S	.5	1.9	3.5	.6								6.6	7.8
SSW		.9	.9	.6	.2							2.7	9.1
SW		1.1	1.3	.3								2.7	7.6
WSW		.2	1.1	.9				.2				2.4	11.8
W		.9	3.8	3.5	1.3	.5						9.8	12.0
WNW	.2	.8	4.7	3.3	.8	.5						10.3	11.9
NW		.2	4.4	4.1	2.2	.2						11.1	13.1
NNW		.6	1.9	1.4	.3	.2						4.4	11.3
VARBL													
CALM												1.6	
	4.4	22.6	43.6	21.6	4.9	1.1		.2				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	3.3	1.7								5.8	9.6
NNE	.2	.2	1.9	.9	.2							3.3	9.8
NE	.2	.5	1.4	.5								2.6	9.0
ENE	.5	1.2	2.3	.2								4.2	7.2
E	.7	1.7	2.3									4.7	6.4
ESE	.7	2.8	1.4									4.9	6.0
SE		3.0	2.6									5.6	7.0
SSE	.5	3.8	2.9	1.4								14.7	8.2
S	.3	1.6	4.7	1.5	.5							9.1	9.7
SSW		.2	.3									.5	8.7
SW		.2	.2									.3	6.5
WSW		.2	1.6	.2	.3							2.3	10.6
W		.9	5.6	4.2	.7	1.2						12.6	12.3
WNW		1.4	4.4	4.7	2.3							12.7	12.1
NW		.3	3.1	4.2	1.4	.5						9.6	13.6
NNW		1.2	1.9	2.3	.2							5.6	10.3
VARBL													
CALM												1.6	
	3.5	19.5	45.9	22.2	5.6	1.7						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 MARTIN MARIETTA AIRFIELD MD 71-78 MAR
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.9	3.1	.9								7.4	7.6
NNE	1.3	.9	2.2	.9								5.4	7.2
NE	.9	.9	1.6	.4								3.8	6.6
ENE	.2	1.8	.9	.7								3.6	7.2
E	1.6	1.3	1.6	.4								4.9	6.3
ESE		2.2	.4									2.7	5.8
SE	1.3	2.2	.4	.2								4.2	4.7
SSE	1.1	1.6	2.7	.2								5.6	6.6
S	.9	4.0	6.0	1.1								12.1	7.6
SSW	.2	.2	.2	.2								.9	7.5
SW		.4										.4	5.3
WSW		.7	.7									1.3	7.2
W	.7	.9	2.7	.7	.4	.4	.2					6.0	10.7
WNW	.4	3.1	4.5	3.6	1.1							12.7	10.0
NW	.4	2.0	5.4	5.1	.9							13.8	10.6
NNW	.9	1.3	2.7	1.1	.2							6.2	8.0
VARBL													
CALM												8.9	
	10.5	26.6	35.0	15.0	2.7	.4	.2					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 448

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS MAR MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	3.2	.6								6.4	7.1
NNE	.6	1.4	2.6	.9								5.5	8.2
NE	.9	1.7	.3	.3								3.2	5.5
ENE	.9	1.2	1.2									3.2	6.0
E	1.4	1.7	2.0									5.2	5.8
ESE	.9	.9	.9									2.6	5.1
SE	.3	.6	.9									1.7	6.2
SSE		.3	2.9									3.2	8.6
S	.6	4.6	2.9	1.2								9.3	6.8
SSW		.9	.9									1.7	6.5
SW		1.4	.6									2.0	5.9
WSW		.6										.6	4.5
W	.3	1.4	2.9	.9	.3							5.8	9.0
WNW		2.6	6.4	1.7	1.7							12.5	10.4
NW	.9	4.3	5.5	2.0	.9							13.6	8.7
NNW	1.4	2.3	1.4	1.2								6.4	6.9
VARBL													
CALM												17.1	
	9.3	27.5	34.5	8.7	2.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 345

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS MAR MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

WIND (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	1.2	2.5	1.3	.0							5.5	8.5
NNE	.5	1.0	1.8	.8	.0							4.2	8.0
NE	.5	1.5	1.8	.7								4.5	7.6
ENE	.3	1.9	2.7	.6	.0							5.6	7.5
E	1.0	2.0	2.0	.3								5.2	6.3
ESE	.8	2.4	1.3	.1	.0							4.7	6.0
SE	.7	2.4	2.2	.4								5.7	6.7
SSE	.6	1.8	3.9	.8	.0							7.2	7.8
S	.5	2.4	3.4	1.1	.1							7.6	8.0
SSW	.1	.7	.6	.3	.1							1.9	8.2
SW	.1	.6	.6	.2								1.4	7.3
WSW	.1	.5	1.0	.3	.1			.0				2.1	9.2
W	.3	1.4	3.3	2.4	.7	.5	.0					8.6	11.1
WNW	.2	1.6	4.8	3.5	1.4	.1						11.6	11.2
NW	.4	1.3	4.7	4.0	1.3	.2						12.0	11.4
NNW	.5	1.1	2.3	1.5	.1	.0						5.5	9.1
VARBL													
CALM												6.7	
	7.1	23.9	39.2	18.2	3.9	.9	.0	.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 2976

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.0	1.2		.3							5.3	6.4
NNE	.3	2.7	3.0	.6								6.5	7.2
NE	1.2	1.5	1.5	.9								5.0	6.8
ENE		2.7	1.8	.9	.3							5.6	8.2
E	.9	1.5	.6	.3								3.3	5.8
ESE	.3	1.5	.3									2.1	5.1
SE	.3	.9	1.2									2.4	6.8
SSE		1.5	.6	.3								2.4	6.9
S		.6	1.2	.3								2.1	8.7
SSW	.9	1.8	1.8	.6								5.0	6.9
SW	1.2	1.5	1.2	.3								4.1	6.4
WSW	1.2	3.3	3.6			.3						8.3	6.8
W	.6	2.1	4.1	1.5		.9						8.9	9.4
WNW	.6	1.2	3.3	2.7								7.7	9.1
NW	1.8	3.3	5.3	2.1	.3							12.7	7.8
NNW	.3	1.5	5.3	.9								8.0	8.3
VARBL													
CALM												10.7	
	10.4	30.2	35.8	11.2	.9	.9						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

338

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	4.5	2.1	.2							7.7	9.6
NNE	.2	1.0	1.3	.5								2.9	7.8
NE		1.0	1.6	1.3								3.9	9.6
ENE	.2	.6	1.4	1.1	.2							3.5	9.2
E	.5	2.4	2.9	1.1	.3							7.2	7.9
ESE	.8	3.2	1.4	.2								5.6	5.7
SE	.3	2.6	2.4	.3								5.6	7.0
SSE	.5	2.3	3.7	.2								6.6	7.1
S	.8	1.8	2.1	.5								5.2	6.6
SSW	.6	.6	2.3	.8		.2						4.7	8.2
SW		1.0	1.9	.6								3.5	8.5
WSW		.8	2.3	1.0								4.0	9.1
W	.2	1.9	5.0	3.7	.3	.2	.2					11.6	10.5
WNW		.3	4.2	3.2	1.4	.2						9.3	12.4
NW	.2	.5	3.9	4.5	1.1							10.1	11.9
NNW		1.0	3.2	2.1	.3							6.6	10.1
VARBL													
CALM												1.8	
	4.7	21.7	44.1	23.2	3.9	.5	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MAKIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

APR
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	2.6	1.5								4.7	10.0
NNE		.8	.7	1.0	.2							2.6	9.9
NE	.3	.2	.8	.2								1.5	7.3
ENE		.5	.3	.3	.3							1.5	10.4
E		1.6	3.6	1.3	.2							6.7	8.7
ESE	.5	1.5	2.8	.8								5.5	7.6
SE	.3	2.8	5.4	1.5								9.9	8.0
SSE	.2	1.5	4.6	3.7								9.9	10.0
S	.3	1.3	3.4	1.1	.3							6.5	9.3
SSW		.5	1.3	.3								2.1	8.8
SW	.2	.5	1.3	.3	.2							2.4	9.0
WSW	.2	.5	2.1	1.6	.2		.2					4.7	10.9
W		1.0	4.9	4.4	.5		.3					11.1	11.8
WNW	.2	.3	5.0	4.9	1.1							11.5	11.7
NW		1.0	3.6	4.7	.8	.3						10.4	12.2
NNW	.3	.7	4.9	2.9								8.8	10.0
VARBL													
CALM												.2	
	2.0	13.0	47.2	30.6	3.7	.3	.5					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-78 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

CONDITION

1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	4.2	.7	.2							5.8	9.8
NNE	.2	.3	.7	.9	.3							2.4	11.2
NE	.2	.7	.9	.3								2.1	7.8
ENE	.2	.5	1.0	.5	.3							2.6	10.0
E	.2	.9	1.0	.7								2.8	8.1
ESE	.2	.7	2.4	1.0								4.4	8.8
SE	.2	3.1	4.5	.3								8.2	7.4
SSE	.3	1.6	10.5	2.4	.2							15.0	9.1
S	.5	1.4	4.4	2.1	1.0							9.4	10.1
SSW		.2	1.6	.2								1.9	9.0
SW	.2	.7	.3	.2								1.4	6.4
WSW			1.9	.5								2.4	10.0
W		.9	5.9	3.5	.9		.3					11.5	11.7
WNW		.5	4.4	5.1	1.4	.2						11.5	12.3
NW		.7	5.9	5.8	.9							13.3	11.7
NNW		.3	2.3	2.1								4.7	10.9
VARBL													
CALM												.3	
	2.3	13.1	52.1	26.4	5.2	.2	.3					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	2.6	1.5								7.0	8.0
NNE	.4	1.3	.9		.4							3.1	7.7
NE	.4	.4	.2	.4	.2							2.2	9.8
ENE	.2	1.3	.4	.4								2.4	6.5
E	.4	2.2	2.4	.4								5.5	6.8
ESE	.4	.9	2.6	.7								4.6	7.8
SE	.9	2.2	.7									3.7	5.1
SSE	.9	2.6	2.4	.4								6.8	6.9
S	.9	5.1	5.7	2.0	.4							14.1	7.9
SSW	.4	1.1	2.0	.2								3.7	7.1
SW	.2	.4	.2	.2								1.1	6.8
WSW		.7		.2								.9	7.0
W		3.7	4.0	2.6								10.4	8.7
WNW	.7	2.0	3.7	4.4	.7							11.5	10.1
NW	.4	2.4	5.1	4.4								12.3	9.8
NNW	.4	.9	2.0	.4								4.2	8.6
VARBL													
CALM												6.4	
	7.3	29.7	35.0	19.5	1.8							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

454

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS APR MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	3.4	.0	.9							7.4	8.5
NNE		1.5	1.8	.3								3.7	7.6
NE	.9	1.8	.6	.9	.3							4.6	7.6
ENE	.6	1.8	1.8									4.3	6.0
E	.3	1.2	2.2	.3								4.0	7.5
ESE	.3	.9	2.5	.6								4.3	7.9
SE	.3	1.8	1.5									3.7	6.7
SSE		1.8	.6									2.5	6.3
S	1.2	4.9	4.0	2.2								12.3	7.2
SSW	.6	.6	1.5									2.8	6.9
SW	.3	1.2										1.5	4.6
WSW	.3	.6	.9									1.8	6.2
W	.6	3.4	3.1	1.2	.6							8.9	9.4
WNW	.6	1.2	2.8	1.2								5.8	8.1
NW	.9	3.1	2.8	2.2								8.9	7.9
NNW	1.8	3.7	1.2	.3	.3							7.4	6.0
VARBL													
CALM												16.0	
	16.2	31.1	30.8	9.6	2.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 325

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS APR MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	3.2	1.2	.2							6.3	9.0
NNE	.2	1.1	1.2	.6	.2							3.3	8.5
NE	.4	.8	1.0	.7	.1							3.0	8.2
ENE	.2	1.1	1.1	.6	.2							3.1	8.4
E	.3	1.7	2.3	.6	.1							5.2	7.8
ESE	.4	1.5	2.1	.9								4.6	7.3
SE	.4	2.4	2.9	.4								6.2	7.2
SSE	.3	1.9	4.3	1.5	.0							8.0	8.5
S	.6	2.3	3.5	1.3	.3							8.1	8.4
SSW	.4	.7	1.7	.4		.0						3.3	7.9
SW	.3	.8	.9	.3	.0							2.4	7.5
WSW	.2	.8	1.8	.7	.0	.0	.0					3.6	8.8
W	.2	2.0	4.7	3.1	.4	.1	.2					10.7	10.5
WNW	.3	.8	4.1	3.8	.9	.1						10.0	11.2
NW	.4	1.5	4.4	4.2	.6	.1						11.3	10.7
NNW	.4	1.1	3.2	1.7	.1							6.6	9.3
VARBL													
CALM												4.5	
	5.4	21.9	42.4	22.0	3.2	.3	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0600
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.5	3.3	.6								8.4	6.7
NNE	.8	3.5	2.7	.4								7.4	6.3
NE	.6	2.3	4.1	.4								7.4	7.4
ENE	.4	1.2	.8	1.0								3.5	7.9
E	1.4	1.8	1.0	.4								4.7	5.3
ESE	.2	1.8	1.0									3.1	6.0
SE	.2	2.0	.6									2.9	5.5
SSE	.0	1.2	.6	.4								3.1	5.9
S	1.4	1.4	3.7	.0								7.2	7.0
SSW	.6	2.3	1.4									4.5	5.6
SW	.4	2.7	1.0	.2								4.3	5.9
WSW	.6	1.6	.6	.2								3.3	5.8
W	1.0	1.8	2.0	.4								5.3	6.2
WNW	1.4	1.8	2.9	1.2								7.4	7.6
NW	1.4	2.3	2.9	.0	.2							7.6	7.3
NNW	1.2	2.3	.8	.4	.2							4.9	6.3
VARBL													
CALM												15.2	
	13.9	33.6	29.7	7.2	.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	3.8	.8								7.4	7.4
NNE	.3	2.5	3.3	.6								6.8	7.3
NE	.6	.9	3.6	.2								5.4	7.6
ENE	.3	2.0	2.8	1.3								6.5	8.0
E	.5	2.4	2.4	.7								6.1	7.6
ESE	.2	2.5	2.7									5.4	7.1
SE	.8	2.7	2.2	.5								6.1	6.5
SSE	.2	3.3	6.1	.2								9.8	7.7
S	.8	4.6	3.0	.6								9.1	6.6
SSW	.5	1.9	2.5	.2								5.0	6.9
SW	.3	1.3	1.1	.2								2.8	6.7
WSW	.2	1.9	1.9									3.9	6.8
W	.3	1.4	2.8	1.7								6.3	8.8
WNW	.2	.8	2.2	2.0	.3							5.5	10.6
NW	.5	1.4	3.9	1.4	.3							7.6	9.4
NNW	.2	.9	1.1	.6	.3							3.1	9.4
VARBL													
CALM												3.1	
	6.8	32.3	45.5	11.3	.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	2.0	.6	.2							4.6	8.5
NNE		.8	.5	.2								1.4	7.1
NE	.2	1.4	2.1	.6								4.3	7.6
ENE	.5	.6	1.8	.8								3.7	8.3
E	.2	1.6	3.8	.3								5.9	7.9
ESE	.3	2.1	3.7									6.1	7.1
SE	.8	4.8	9.4	1.4								16.5	7.7
SSE	.3	2.6	9.6	3.2								15.7	9.0
S	.3	1.6	5.1	1.4	.2							8.6	8.9
SSW	.3	1.0	1.0	.5								2.7	7.7
SW	.2	.5	.6	.3								1.8	8.1
WSW	.2	.6	1.1	1.0								2.9	9.6
W		.5	3.4	1.6	.3							5.8	10.6
WNW		1.1	3.8	1.4	.6							7.0	10.5
NW	.2	1.3	2.7	2.0	.2							6.9	10.1
NNW	.2	.8	2.2	1.0	.2							4.3	9.5
VARBL													
CALM												1.9	
	3.8	22.2	53.5	16.9	1.6							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.8	.6	.4							4.5	9.8
NNE	.2	.9	.4									1.5	5.9
NE		.7	1.1	.4								2.2	7.4
ENE	.2	.6	.4	1.1	.6							2.8	10.9
E	.9	1.5	5.2	.7	.2							8.5	8.2
ESE	.4	2.2	2.0	.2								4.8	6.7
SE	.9	2.8	4.6	.5								9.3	7.2
SSE	.4	4.1	10.8	1.7								16.9	8.2
S	1.1	1.7	8.0	4.3								15.0	9.0
SSW		1.3	.6	.4								2.2	7.3
SW	.4	.7	.6	.2								1.7	5.9
WSW		1.9	1.5	.4								3.7	7.7
W	.2	.4	3.3	1.5	.2							5.6	10.1
WNW		.7	3.2	1.5	.4							5.8	10.5
NW	.2	1.3	4.6	2.4								8.5	9.4
NNW	.2	.9	3.5	.6	.2							5.4	8.9
VARBL													
CALM												1.7	
	4.8	22.4	52.5	16.7	1.9							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

539

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS MAY
STATION NAME CLASS 1800-2000
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	2.0	.2								4.4	6.9
NNE	.7	.9	.7	.2								2.4	5.9
NE		.9	.7									1.5	6.6
ENE	.9	1.8	.7	.7	.4							4.4	7.6
E	.9	3.3	2.2	.7								7.1	7.0
ESE	.4	2.2	1.8	.4								4.9	7.2
SE	1.8	2.2	1.1									5.1	4.7
SSE	.7	4.6	2.7	.2								8.2	6.2
S	1.1	5.1	9.1	2.4								17.7	8.0
SSW	.2	2.0	1.8									4.0	6.2
SW		.9	.4	.4								1.8	7.3
WSW	.4	1.8	.9	.7								3.8	7.5
W	.4	2.2	2.0	.4								5.1	7.2
WNW	.4	1.5	2.2	.4								4.6	7.5
NW	1.8	2.7	2.7	1.2								8.6	7.1
NNW	.4	2.7	1.8	.2								5.1	6.2
VARBL													
CALM												11.3	
	11.1	36.1	32.5	8.6	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 452

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-75, 77-78
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.4	1.9	1.4	.5								5.1	6.1
NNE	.5	.5	.9									1.9	7.0
NE		.5	.9	.5								1.9	8.3
ENE	.9	.5	.5	.9								2.8	7.5
E	.9	7.0	.9	1.9								10.7	6.6
ESE	.5	1.9	.9	.5								3.7	6.0
SE		.9	1.4									2.3	7.6
SSE	.5		1.4	.5								2.3	7.4
S	.9	3.7	4.7	2.3								11.6	7.9
SSW		2.8	3.3									6.0	7.2
SW		1.4	.5	.5								2.3	7.0
WSW	.5	1.9	.5									2.8	5.0
W	.5	3.3	1.4									5.1	5.8
WNW	.5	3.7	1.4									5.6	5.6
NW	1.4	4.2	1.9	.5								7.9	5.8
NNW	1.9	.5	.5		.5							3.3	5.9
VARBL													
CALM												24.7	
	10.2	34.4	22.3	7.4	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

215

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 MARTIN MARIETTA AIRFIELD MD 71-78 MAY
STATION STATION NAME YEAR MONTH
ALL WEATHER ALL
CLASS HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	2.8	.6	.1							5.8	7.6
NNE	.4	1.6	1.5	.3								3.8	6.7
NE	.3	1.2	2.3	.3								4.1	7.3
ENE	.5	1.2	1.3	1.0	.2							4.1	8.3
E	.7	2.4	2.8	.7	.0							6.8	7.3
ESE	.3	2.2	2.2	.1								4.8	6.9
SE	.8	2.8	3.7	.6								7.9	6.9
SSE	.4	2.9	5.9	1.2								10.4	8.0
S	.9	2.9	5.5	1.9	.0							11.3	8.0
SSW	.3	1.7	1.6	.2								3.9	6.7
SW	.2	1.2	.8	.3								2.4	6.8
WSW	.3	1.6	1.2	.4								3.5	7.3
W	.4	1.4	2.7	1.1	.1							5.6	8.6
WNW	.4	1.4	2.8	1.3	.3							6.1	9.2
NW	.8	1.9	3.3	1.7	.1							7.8	8.5
NNW	.5	1.4	1.8	.5	.2							4.4	8.0
VARBL													
CALM												7.4	
	7.9	29.3	42.2	12.1	1.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2955

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-78 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 0600-0800
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5	1.9	.6								5.9	6.2
NNE	1.0	4.2	3.1									8.4	6.2
NE	1.5	1.7	1.0	.2								4.4	5.1
ENE	.6	1.3	.8									2.7	3.7
E	.8	2.1	.6									3.6	4.9
ESE	.4	1.0	1.0	.2								2.7	6.3
SE	.6	1.5	.4									2.5	5.1
SSE	.6	.8	.2									1.7	4.3
S	1.7	3.8	3.3	.4								9.2	6.1
SSW	1.5	5.6	1.5									8.6	5.2
SW	1.0	3.3	.6									5.0	4.8
WSW	1.0	4.8	1.9	.2								7.9	5.4
W	1.5	2.5	1.3	.2								5.4	5.5
WNW	.6	1.0	1.3	.4								3.3	6.6
NW	.6	3.1	3.3	1.0								8.2	7.4
NNW	2.1	1.5	1.9	1.5	.2							7.1	7.5
VARBL													
CALM												13.4	
	17.6	39.7	24.3	4.8	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	2.4	1.1								5.1	8.7
NNE	.5	1.0	2.6	.8								4.8	8.1
NE	.5	1.4	2.1	.5								4.5	7.3
ENE	.5	1.4	1.8	.2								3.8	6.9
E	.8	3.4	2.6	.3								7.1	6.4
ESE	1.0	2.7	1.9	.3								5.9	6.2
SE	.6	3.2	4.6	.2								8.7	6.8
SSE	1.0	2.9	3.8	.6								8.3	7.0
S	.8	4.8	3.8	.8								10.3	6.7
SSW	.8	2.1	2.9									5.8	6.3
SW	.2	1.9	1.4									3.5	6.3
WSW	.2	2.7	1.8	.2								4.8	7.0
W	.6	1.9	2.4	1.3								6.2	7.8
WNW	.2	1.4	1.6	.6	.2							4.0	8.6
NW	.5	1.1	4.6	1.9								8.2	9.1
NNW	.3	1.9	2.2	1.0	.5		.2					6.1	9.4
VARBL													
CALM												2.9	
	8.8	35.1	42.6	9.8	.6		.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-78 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	2.3	.6								3.7	8.7
NNE		1.3	.5	.5								2.3	7.5
NE	.5	.8	1.9	.3								3.6	7.4
ENE		1.1	1.8									2.9	7.3
E	.5	1.8	3.1	.3								5.7	6.9
ESE	.5	2.1	2.1									4.7	6.8
SE	.3	4.4	11.0	1.0								16.7	7.8
SSE	.6	3.4	11.5	3.1	.3							18.9	8.8
S	.2	2.9	4.9	2.1								10.0	8.4
SSW	.5	.5	1.0	.3								2.3	7.2
SW	.2	1.0	.6	.3								2.1	7.2
WSW		.8	1.8	.3								2.9	7.4
W	.3	1.1	3.2	1.5	.2							6.3	9.2
WNW		.8	3.6	1.1	.2	.2						5.8	10.0
NW	.2	.5	3.7	1.6								6.1	10.1
NNW		1.3	1.9	1.9								5.2	9.9
VARBL													
CALM												.8	
	3.9	24.4	54.9	15.2	.6	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		1.2	1.6	.2			.2					3.1	9.0
NNE		.8	.2									1.0	6.2
NE		.6	1.4									1.9	7.5
ENE		1.4	1.6									2.9	7.1
E	1.0	1.9	1.4	.2								4.5	5.9
ESE	.2	2.9	2.9	.4								6.4	7.1
SE	1.0	4.3	4.7	.6								10.5	7.0
SSE	.8	5.4	14.0	1.0	.2							21.3	7.8
S	.4	1.9	7.9	5.0	.4							15.7	9.9
SSW		1.0	1.6	.2								2.7	7.9
SW		1.7	1.9	.2								3.9	7.4
WSW		.6	1.6	.2								2.3	8.6
W		.2	4.8	1.4	.2							6.6	9.9
WNW		.2	1.4	1.7	.2							3.5	11.6
NW	.2	.4	4.5	2.7	.8							8.5	11.0
NNW		.2	2.5	1.2	.2							4.1	10.7
VARBL													
CALM												1.2	
	3.5	24.6	53.7	14.9	1.9		.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-78 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1800-2000
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	1.4	.7								3.7	7.8
NNE	.9	1.4	.9									3.2	5.4
NE	.2	.5	.5									1.1	6.4
ENE	.2	.5	.9									1.6	6.7
E	1.6	2.3	2.1									6.2	5.4
ESE	.7	1.6	.7	.5								3.4	5.9
SE	2.5	3.9	.2	.2								6.9	4.5
SSE	1.6	2.7	3.7									9.0	6.0
S	1.8	11.3	9.4	4.4								26.9	7.5
SSW	.5	2.5	3.4									6.4	6.9
SW	.2	2.3	1.4									3.9	6.2
WSW		.5	.7	.5								1.6	9.0
W		1.6	2.1	.7								4.4	8.6
WNW	.5	1.6	1.8	.5								4.4	7.2
NW	1.1	3.4	1.4	1.1	.2							7.4	7.2
NNW		1.6	1.8	.5								3.9	7.6
VARBL													
CALM												6.0	
	12.4	40.0	32.4	9.0	.2							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	1.4									5.2	5.1
NNE	.9											.9	2.0
NE	.9	.9	.5									2.3	4.4
ENE		.5	.9									1.4	7.7
E	.5	2.3	1.4									4.2	5.7
ESE	.5	1.4	1.4									3.3	6.6
SE		.9	1.4	.9								3.3	9.1
SSE	1.4	1.4										2.8	3.3
S	3.3	9.9	6.6	3.3								23.0	6.8
SSW	.9	2.8	1.9	.5								6.1	6.5
SW	.9	1.9	.5									3.3	4.7
WSW	.9	1.9	1.4									4.2	6.0
W	1.9	2.3	.9		.5							5.6	5.3
WNW	.9	6.1	1.4	.9								9.4	5.8
NW	.5	1.9	.9	.9								4.2	7.4
NNW		.9		.5								1.4	8.7
VARBL													
CALM												19.2	
	15.0	37.6	20.7	7.0	.5							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.9	.6			.0					4.4	7.8
NNE	.5	1.3	1.4	.3								3.6	6.7
NE	.6	1.0	1.4	.2								3.2	6.6
ENE	.2	1.1	1.4	.0								2.8	6.8
E	.9	2.3	2.0	.2								5.4	6.1
ESE	.6	2.1	1.8	.2								4.6	6.5
SE	.9	3.3	4.4	.5								9.0	7.0
SSE	.9	3.1	6.4	1.0	.1							11.5	7.7
S	1.1	5.1	5.8	2.5	.1							14.5	7.7
SSW	.7	2.3	2.0	.1								5.1	6.3
SW	.3	2.0	1.1	.1								3.6	6.2
WSW	.3	1.9	1.6	.2								4.0	6.9
W	.6	1.5	2.7	1.0	.1							5.9	8.1
WNW	.2	1.4	1.9	.9	.1	.0						4.6	8.5
NW	.5	1.6	3.4	1.7	.2							7.4	9.0
NNW	.4	1.3	1.9	1.2	.2		.0					5.0	9.0
VARBL													
CALM												5.5	
	9.3	32.6	41.0	10.7	.7	.0	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-78 YEARS MONTH JUL
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.7	2.3	1.4								10.7	5.9
NNE	.6	2.1	1.0									3.7	3.6
NE	1.4	2.1										3.5	4.0
ENE	.6	.8	.6									2.1	3.2
E	.2	2.3	1.4	.2								4.1	6.7
ESE	.2	.6	.4									1.2	3.8
SE		.4										.4	4.5
SSE		1.0	.4	.2								1.6	6.6
S	.8	4.9	1.2									7.0	5.2
SSW	1.6	3.7	2.1									7.4	5.4
SW	1.2	3.1	1.2									5.5	5.1
WSW	1.2	2.5	1.4									5.1	5.6
W	1.8	4.7	1.6	.2								8.4	5.1
WNW	.2	1.2	.6	.2								2.3	5.8
NW	1.8	3.3	1.8	.2								7.2	5.3
NNW	1.2	4.5	2.9	.4								9.0	6.1
VARBL													
CALM												20.7	
	16.4	40.9	19.1	2.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 487

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 71-78 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.8	3.7	4.3	.8	.2							9.7	7.7
NNE	.2	2.4	2.2	.6								5.4	7.3
NE	.3	1.3	.6	.2								2.4	6.4
ENE	.6	1.9	.6	.5								3.7	6.0
E	.3	3.3	1.6	.8								6.1	6.7
ESE	.2	1.8	1.1	.2								3.2	6.3
SE	.5	3.5	2.6									6.3	6.3
SSE	1.3	2.1	3.2	.2								6.7	6.3
S	.6	4.8	3.7	.3								9.6	6.3
SSW	.2	2.2	3.2									5.6	6.7
SW	1.1	1.9	2.2									5.3	6.3
WSW	.3	3.0	1.8									5.1	6.4
W	1.1	2.2	2.6	.5								6.4	6.8
WNW	.5	1.1	1.4	.3								3.3	7.1
NW	.3	1.8	3.0	1.0								6.1	7.9
NNW	.5	2.7	3.5	.8								7.3	7.8
VARBL													
CALM												7.7	
	8.8	39.7	37.6	6.1	.2							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.8	3.4	.3	.2							6.8	7.7
NNE	.2	.8	1.9	.2								3.1	7.5
NE	.3	.5	1.3									2.1	6.5
ENE	.2	.8	.6									1.6	6.5
E	.5	1.8	1.9									4.2	6.5
ESE	.3	1.3	1.1	.2								2.9	6.9
SE	.3	4.1	9.6	1.5								15.4	8.1
SSE	.5	2.1	14.0	3.1	.2							19.8	8.9
S	.8	1.9	4.4	1.0	.3							8.4	8.2
SSW		.6	1.1	.2								1.9	7.9
SW	.5	1.1	1.0	.2								2.8	6.4
WSW	.2	1.3	1.9				.2					3.6	7.9
W	.3	2.4	2.3	.6								3.7	7.1
WNW		1.6	3.6	.5								3.7	7.9
NW	.5	1.5	4.2	.5								6.7	8.1
NNW	.3	.6	4.1	.8								3.8	8.8
VARBL													
CALM												3.4	
	5.0	25.3	56.5	8.9	.6		.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

616

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MB
STATION NAME

71-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.1	3.6	.2								6.3	7.2
NNE	.2	1.9	1.7									3.8	6.7
NE	.2	1.0	.6	.4	.2							2.3	8.3
ENE		.2										.2	3.0
E	.4	2.1	.6	.2								3.2	5.8
ESE	.6	2.3	1.3	.4								4.8	6.3
SE		4.4	6.3	.6								11.4	7.4
SSE	1.1	3.8	12.2	3.2								20.4	8.3
S	.8	3.0	7.8	3.1								16.8	9.0
SSW	.2	.8	.8									1.7	6.3
SW		.6	1.0									1.3	7.3
WSW	.4	.8	1.9	.4								3.4	7.8
W		1.1	2.7	.4								4.2	8.2
WNW		.6	2.7	.6								3.8	9.1
NW	.2	1.3	4.4	.8								6.9	8.1
NNW	.2	1.2	4.2	1.0								6.7	8.3
VARBL													
CALM												2.9	
	4.8	27.4	52.0	13.1	.2							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 325

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MB
STATION NAME

71-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.1	2.1	.2								8.0	5.4
NNE	.5	2.7	.7									3.9	5.1
NE	.5	2.1	.9									3.4	5.5
ENE	.7	1.1	.2	.2								2.3	5.4
E	1.6	.2	.7	.2								2.7	5.2
ESE	.2	1.4	.9	.2								2.7	6.9
SE	1.1	3.9	.9									5.9	5.1
SSE	.5	4.8	2.1	.2								7.6	6.0
S	3.0	9.8	10.8	1.8								25.4	6.8
SSW	.9	2.3	2.5	.7								6.4	6.7
SW	1.6	.9	.5									3.0	3.9
WSW	.2	1.1	1.4									2.7	7.0
W		1.1	2.5									3.7	7.6
WNW	.2	1.1	1.1	.2								2.7	7.3
NW		2.5	1.4	.2	.2							4.3	7.4
NNW	1.1	2.5	.9	.7								5.3	6.2
VARBL													
CALM												9.8	
	13.7	41.9	29.5	4.8	.2							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.6	.9									6.5	5.1
NNE	1.4	.9										2.3	3.2
NE	.9	2.3										3.2	4.4
ENE				.5								.5	12.0
E		.9	.5									1.4	7.3
ESE		1.8	1.8	.9								4.6	8.2
SE	.5	2.3	1.4									4.1	6.1
SSE	.9	.9	.5	.5								2.3	6.0
S	.9	7.8	4.1									12.9	6.1
SSW	4.1	6.0	3.2									13.4	3.1
SW	.9	1.4										2.3	4.6
WSW	.9	2.8	.9									4.6	3.3
W	.9	1.4	1.4									3.7	3.9
WNW	.5	.9	.5									1.8	3.3
NW	.9	3.2	.9	.5								3.3	6.0
NNW	.9	3.2										4.1	4.3
VARBL													
CALM												26.7	
	14.7	40.1	16.1	2.3								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.3	2.1	.5	.1							8.2	6.8
NNE	.4	1.9	1.5	.2								3.9	6.3
NE	.5	1.4	.7	.1	.0							2.7	5.9
ENE	.4	.9	.4	.2								1.9	5.9
E	.5	2.0	1.2	.2								4.0	6.4
ESE	.3	1.5	1.1	.2								3.1	6.7
SE	.4	3.2	4.0	.4								8.0	7.1
SSE	.7	2.5	6.3	1.4	.0							10.9	8.1
S	1.1	4.9	5.3	1.5	.1							12.8	7.3
SSW	.8	2.2	2.0	.1								5.2	6.1
SW	.9	1.5	1.1	.0								3.3	5.7
WSW	.5	1.9	1.6	.1			.0					4.1	6.7
W	.7	2.3	2.3	.3								5.6	6.6
WNW	.2	1.1	1.9	.3								3.3	7.6
NW	.6	2.1	2.9	.5	.0							6.3	7.3
NNW	.7	2.3	3.0	.7								6.7	7.3
VARBL													
CALM												9.8	
	9.8	35.0	38.3	6.9	.2		.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	6.3	2.6	.5								11.2	5.6
NNE	1.5	4.9	1.0	.3								7.8	5.3
NE	.7	2.6	.7									3.9	5.0
ENE	.7	1.0	.7									2.4	5.1
E	1.0	1.2	.2									2.4	4.1
ESE	.2	.7										.9	4.8
SE	.3	.3	.2									.9	5.0
SSE		.2										.2	6.0
S	1.2	2.2	.3									3.7	4.5
SSW	.9	3.9	1.2	.2								6.1	5.4
SW	.3	4.4	.7	.2								5.6	5.3
WSW	1.5	4.9	1.9									8.3	5.3
W	.7	4.3	1.4	.2								6.6	5.6
WNW	.7	.9		.2								1.7	4.7
NW	1.9	3.4	3.1	.2								8.5	5.7
NNW	2.2	3.2	2.6	.2								8.2	5.4
VARBL													
CALM												21.9	
	15.8	44.5	16.4	1.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.7	3.4	1.2								9.1	7.1
NNE	.7	1.8	4.2	.8								7.5	7.7
NE	.5	2.3	2.0									4.9	6.1
ENE	.8	1.2	1.9	.7								4.6	7.1
E	1.1	2.7	.5	.3								4.6	5.2
ESE	.5	2.4	.5									3.5	4.9
SE	.5	3.4	1.8									5.7	5.7
SSE	.4	2.0	3.0	.3								5.7	6.8
S	1.8	4.2	3.3	.1								9.3	5.7
SSW	.3	2.4	2.6	.4								5.7	6.8
SW	.7	3.1	.8	.1								4.7	5.6
WSW	.5	2.7	2.4	.5								6.2	6.8
W	.8	1.9	2.0	.3								6.0	6.8
WNW	.3	.8	1.1	.5								2.7	7.6
NW	.3	1.5	2.4	.8								5.0	7.9
NNW	.5	2.3	2.2	1.6								6.6	8.0
VARBL													
CALM												8.1	
	10.6	38.5	35.1	7.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 738

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.8	2.6	.6								6.2	7.2
NNE	.1	.7	1.4	.8								3.1	8.1
NE		1.4	1.8	.3								3.5	7.8
ENE		1.1	1.0	.3								2.4	7.4
E	.4	2.5	2.6	.1								3.7	6.7
ESE	.3	2.9	2.6	.1								6.0	6.7
SE	.7	3.3	11.2	1.2								16.5	7.9
SSE	.4	3.6	12.3	3.1								19.4	8.5
S	.1	2.1	5.3	1.5								9.0	8.2
SSW	.1	.6	1.4	.1								2.2	7.5
SW		.8	1.5	.1								2.5	7.8
WSW		.7	1.1	.1								1.9	7.6
W	.1	1.1	3.5	.6	.3							5.5	8.9
WNW		1.0	1.9	.4								3.2	7.9
NW		.6	3.1	.6								4.2	8.9
NNW		2.5	3.6	.4								6.5	7.9
VARBL													
CALM												2.1	
	2.6	27.6	57.0	10.4	.3							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	3.9	.6								7.8	7.2
NNE	.2	.6	.6	.6								2.0	8.1
NE	.3	1.1	.8									2.2	5.9
ENE	.2	2.3	1.2									3.7	6.0
E	.5	2.5	2.5	.5								5.9	7.1
ESE	.8	1.1	1.1									3.0	5.6
SE	.3	4.2	6.7	.3								11.5	7.2
SSE	.6	5.6	11.8	2.6								20.7	8.2
S	.5	4.0	8.4	4.5	.2							17.6	9.0
SSW	.2	.8	1.7									2.6	7.3
SW	.2	1.2	.5	.2								2.0	5.9
WSW	.2	1.2	1.1			.2						2.6	7.7
W	.3	1.2	3.0	.3								4.8	7.8
WNW		.8	2.2	.3								3.3	8.3
NW	.5	1.1	2.2	.2								3.9	7.2
NNW		1.4	2.0	.3	.2							3.9	8.2
VARBL													
CALM												2.3	
	5.1	31.9	49.7	10.4	.3	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 642

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L. S. T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.0	1.7									7.7	4.9
NNE	1.3	1.9	.6	.2								4.0	4.8
NE	.6	1.2	.6									2.3	5.4
ENE	.4	1.9	1.2									3.5	6.1
E	.6	2.1	2.7									5.4	6.4
ESE	.2	2.3	1.9									4.4	6.3
SE	.8	1.7	1.3									3.9	5.6
SSE	1.2	2.7	1.2	.4								5.4	5.3
S	3.3	9.8	11.0	1.2								25.2	6.5
SSW	1.0	2.9	.8									4.6	5.0
SW	.4	1.7	.2									2.3	4.8
WSW		1.5	.4	.2								2.1	6.1
W	.6	1.5	.6	.4								3.1	6.1
WNW	.2	1.0	1.9									3.1	7.5
NW	1.2	1.9	.6	.6								4.2	6.0
NNW	1.2	1.5	1.0	.6	.2							4.4	7.0
VARBL													
CALM												14.3	
	14.6	39.9	27.6	3.5	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 519

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) C.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.1	1.1									3.7	4.7
NNE	.4	2.6	.7		.4							4.1	6.3
NE	.7	.4		.7								1.9	6.6
ENE	.4	1.5										1.9	4.2
E		1.9	.7									2.6	6.1
ESE	.7	1.5	3.0									5.2	6.6
SE		.7	2.6									3.4	8.2
SSE		.7										.7	5.5
S	2.2	8.2	2.6	2.2								15.4	6.6
SSW	.4	3.7	.7	.7								5.6	5.9
SW	.4	1.1										1.5	3.8
WSW	1.1	2.2										3.4	3.8
W	1.5	.4		.4								2.6	5.4
WNW		1.1	1.5									2.6	8.0
NW	1.1	1.9		.4								3.4	4.6
NNW	1.5	1.9	1.1	.4								4.9	5.6
VARBL													
CALM												37.1	
	12.0	31.1	14.6	4.5	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 267

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-78 YEARS
AUG MONTH
ALL CLASS
ALL HOURS (L.S.T.)
CONDITION

SPEED (KTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.6	2.8	.6								8.0	6.4
NNE	.7	2.0	1.6	.5	.0							4.8	6.7
NE	.4	1.6	1.2	.1								3.3	6.2
ENE	.4	1.5	1.1	.2								3.2	6.3
E	.7	2.2	1.6	.2								4.7	6.2
ESE	.4	1.9	1.4	.0								3.7	6.0
SE	.5	2.6	4.4	.3								7.7	7.2
SSE	.5	2.7	5.5	1.2								9.9	7.9
S	1.4	4.6	5.2	1.5	.0							12.7	7.2
SSW	.4	2.2	1.5	.2								4.3	6.2
SW	.3	2.2	.7	.1								3.3	5.7
WSW	.5	2.2	1.3	.2		.0						4.2	6.3
W	.6	1.9	2.2	.3	.1							5.1	7.1
WNW	.2	.9	1.4	.3								2.8	7.6
NW	.7	1.6	2.2	.5								5.0	6.9
NNW	.8	2.2	2.2	.6	.1							5.9	7.1
VARBL													
CALM												11.2	
	9.5	35.7	36.4	6.9	.2	.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 3478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	5.0	2.0	.4								9.1	5.4
NNE	.9	3.6	2.9	.4								7.7	6.3
NE	1.6	4.1	2.0	.4								8.0	5.7
ENE	1.2	1.8	.4	.5								3.9	5.4
E	.5	1.2	.7	.2								2.7	6.0
ESE	.2	1.6										1.8	5.0
SE	.4	1.8	.7									2.9	6.1
SSE	1.1	.9										2.0	3.8
S	.7	1.4	1.8									3.9	5.7
SSW	.7	2.3	1.8									4.8	5.7
SW	1.6	1.8	1.2									4.6	5.2
WSW	1.2	2.0	.7	.2								4.1	5.4
W	.7	3.4	1.8									5.9	5.5
WNW	.9	2.0	.2									3.0	4.5
NW	.7	3.7	1.2									5.7	5.5
NNW	1.2	3.2	2.7									7.1	5.8
VARBL													
CALM												22.8	
	15.5	39.8	20.0	2.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 561

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MN 70-78 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	3.2	.0								6.9	7.7
NNE	.4	1.3	3.8	.4								5.9	8.0
NE	.8	2.1	4.2	.3								7.5	7.1
ENE	.6	2.3	2.4	.1								5.4	6.6
E	1.6	2.0	2.7	.3								6.5	6.2
ESE	.7	2.5	1.4	.4								5.1	6.2
SE	1.1	2.0	1.7	.1								4.9	5.6
SSE	1.0	2.4	1.6	.1								5.1	5.8
S	.6	4.7	3.0	.6								8.8	6.5
SSW	.6	1.8	2.1									4.5	6.4
SW	.8	2.4	1.1	.6								4.9	6.0
WSW	.3	2.4	2.3	.3								5.2	6.9
W	.4	3.0	2.4	.6								6.6	7.0
WNW	.3	1.4	2.1	.4								4.2	7.9
NW	.1	1.0	2.4	.8	.1							4.5	9.3
NNW	.3	.7	2.8	1.4								5.2	9.2
VARBL													
CALM												8.6	
	10.0	34.3	39.3	7.6	.1							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 708

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	5.2	.4								7.9	8.1
NNE	.4	1.1	1.1	.1								2.9	6.4
NE	.1	1.3	1.9	.4								3.7	7.7
ENE	.4	1.3	2.4	.4	.1							4.7	7.7
E	.7	2.6	1.7	.4								5.5	6.6
ESE	.3	3.9	4.2	.4								8.8	7.1
SE	.6	3.2	6.3	.3								10.3	7.3
SSE	.1	1.9	8.5	1.1								11.6	8.5
S	.7	4.9	4.4	1.3								11.3	7.4
SSW	.3	1.1	1.0									2.4	6.2
SW	.4	1.1	1.0	.4								3.0	6.8
WSW		2.3	1.6	.4								4.3	7.3
W	.1	1.6	2.9	1.0								5.6	8.6
WNW		1.0	2.7	.0								4.3	8.8
NW	.3	.7	3.4	1.0								6.0	9.5
NNW	.1	1.4	2.7	.9								5.2	8.4
VARBL													
CALM												2.4	
	5.2	31.3	51.1	9.9	.1							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	2.7	1.5	.2							5.2	10.1
NNE	.2	1.0	.8	.2								2.2	7.0
NE	.2	1.8	.7	.7	.2							3.5	7.7
ENE	.2	1.7	1.3	1.2								4.4	8.0
E	1.0	3.7	.8	.2								5.7	5.3
ESE	.3	2.7	1.3	.2								4.5	6.1
SE	.5	5.5	5.5	.2								11.7	6.6
SSE	1.7	5.4	9.2	1.2								17.4	7.4
S	.8	3.2	7.5	1.2								12.7	7.9
SSW	.2	.8	1.7		.2							2.8	8.3
SW		1.2	1.0									2.2	6.7
WSW	.3	1.2	1.3	.2								3.0	7.0
W	.5	2.0	2.5	.3								5.4	6.9
WNW	.2	.5	2.8	.3								3.9	8.5
NW	.2	1.5	3.4	1.3								6.4	8.5
NNW	.2	1.2	3.5	1.0								5.9	8.9
VARBL													
CALA												3.2	
	6.4	34.2	46.2	9.5	.5							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.9	2.4	.6								8.8	6.0
NNE	.4	1.6	2.0	.2								4.1	6.7
NE	.4	2.4	1.4	.6								4.7	6.7
ENE	.6	2.0	.8	.2	.2							3.9	6.2
E	.6	1.8	.6	.2								3.3	5.2
ESE	.6	1.6	1.0	.4								3.5	6.2
SE	1.2	1.4	1.2	.2								3.9	6.0
SSE	.6	2.2	1.0									3.7	5.6
S	2.4	3.6	6.1	.4								17.5	6.1
SSW	.6	3.1	.6									4.3	5.4
SW	.8	2.2	.2									3.1	4.3
WSW	.2	1.8	.8	.2								2.9	6.7
W	.8	1.4	1.4	.2								3.7	6.5
WNW	.4	1.2	1.0									2.6	5.7
NW	.4	2.2	1.2	.2								3.9	6.3
NNW	1.2	3.5	.8	.2								5.7	5.1
VARBL													
CALM												20.0	
	13.4	40.7	22.2	3.5	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

509

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

2100-2300

HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.1	1.9	.8								6.5	7.1
NNE	1.9	1.9	1.9									5.7	5.6
NE	.4	1.9	1.1	.8								4.2	7.5
ENE			1.9	.4								2.3	9.5
E	.4	1.5	2.3	.4								4.6	7.2
ESE		1.5	1.1	.8								3.4	7.8
SE		.8	3.8	1.1								5.7	9.4
SSE			.8									.8	8.5
S	1.9	3.1	3.8									8.8	6.3
SSW	.8	2.7	1.5	.8								5.7	6.5
SW	.4	1.9	.4	.4								3.1	6.3
WSW		2.7	.8									3.4	5.8
W		3.8	.4									4.2	5.5
WNW	.8	1.1	.4									2.3	5.2
NW	1.1	2.7	1.1									5.0	4.8
NNW	1.9	4.2	.8									6.9	4.3
VARBL													
CALM												27.2	
	10.3	33.0	24.1	5.4								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 261

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-78 YEARS SEP MONTH
ALL WEATHER CLASS ALL HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.7	3.1	.7	.0							7.4	7.3
NNE	.6	1.7	2.1	.2								4.6	6.8
NE	.6	2.2	2.0	.5	.0							5.4	6.9
ENE	.6	1.6	1.6	.5	.1							4.3	7.0
E	.9	2.2	1.5	.3								4.9	6.1
ESE	.4	2.5	1.6	.3								4.8	6.5
SE	.7	2.6	3.3	.2								6.8	6.8
SSE	.8	2.3	4.0	.5								7.6	7.2
S	1.0	4.4	4.4	.7								10.5	6.8
SSW	.5	1.9	1.5	.1	.0							3.9	6.3
SW	.7	1.7	.9	.2								3.6	5.8
WSW	.4	2.0	1.3	.2								4.0	6.7
W	.4	2.4	2.1	.5								5.4	6.9
WNW	.4	1.2	1.7	.3								3.6	7.4
NW	.4	1.8	2.3	.6	.0							5.3	7.6
NNW	.7	2.1	2.4	.7								5.8	7.2
VARBL													
CALM												12.0	
	9.8	35.4	35.9	6.7	.2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 3334

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 JCT
STATION STATION NAME YEARS MONTH
ALL WEATHER 0600-0800
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.5	2.7	.5								10.7	5.9
NNE	1.3	4.1	1.6	.7								7.7	6.3
NE	1.1	3.0	1.6	.5								6.6	6.3
ENE	.9	1.3	1.4		.2							3.8	6.5
E	.5	.9		.2								1.6	5.4
ESE		.4										.4	6.0
SE		.4			.4							.7	12.0
SSE	.4	.4	.5									1.3	5.4
S	.4	.7	1.3	.2								2.5	7.4
SSW	.5	2.1	.2									2.9	4.3
SW	.7	2.1	.7	.4								3.9	5.7
WSW	1.3	1.3	2.0									4.5	5.8
W	.7	4.8	3.2	.4	.2							9.3	6.5
WNW	.7	3.4	2.0	.2								6.3	6.3
NW	2.3	3.2	1.3	.5								7.3	5.3
NNW	.7	2.7	2.3	.9								6.6	6.9
VARBL													
CALM												24.0	
	13.4	36.3	20.8	4.8	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

UCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITIO

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.5	2.7	.5								10.7	5.9
NNE	1.5	4.1	1.6	.7								7.7	6.3
NE	1.1	3.0	1.6	.5								6.6	6.3
ENE	.9	1.3	1.4		.2							3.8	6.5
E	.5	.9		.2								1.6	5.4
ESE		.4										.4	6.0
SE		.4			.4							.7	12.0
SSE	.4	.4	.5									1.3	5.4
S	.4	.7	1.3	.2								2.5	7.4
SSW	.5	2.1	.2									2.9	4.3
SW	.7	2.1	.7	.4								3.9	5.7
WSW	1.3	1.3	2.0									4.5	5.8
W	.7	4.8	3.2	.4	.2							9.3	6.5
WNW	.7	3.4	2.0	.2								6.3	6.3
NW	2.3	3.2	1.3	.5								7.3	5.3
NNW	.7	2.7	2.3	.9								6.6	6.9
VARBL													
CALM												24.0	
	13.4	36.3	20.8	4.6	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

UCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.8	1.4	.3							6.0	9.2
NNE	.6	.5	1.5	.5								2.6	7.4
NE	.1	1.2	2.6	.7								4.7	8.3
ENE	.4	1.5	4.2	1.0								7.1	8.1
E	.8	1.5	3.1	.7								6.1	7.2
ESE	.4	2.8	2.9	.1								6.2	6.4
SE	.4	4.2	4.9	.3								9.7	6.7
SSE	.3	2.9	4.9	1.4								9.4	7.9
S	.1	3.1	2.5	.6	.3							6.5	7.6
SSW		1.1	1.1	.1	.1							2.5	7.9
SW	.6	.6	1.2	.3								2.6	7.2
WSW	.7	1.2	1.1	.8	.1							4.0	7.8
W	.3	1.9	3.3	1.6	.4	.1						7.9	10.0
WNW	.1	.8	3.3	1.7	.3							6.2	10.3
NW	.3	1.5	4.3	2.8	.6							9.4	10.1
NNW	.1	1.0	2.5	1.5	.4							5.8	10.1
VARB													
CALM												2.9	
	5.7	26.8	46.5	15.4	2.5	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARITTA AIRFIELD MD
STATION NAME

70-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.8	1.4	.3							6.0	9.2
NNE	.6	.5	1.5	.3								2.6	7.4
NE	.1	1.2	2.6	.7								4.7	8.3
ENE	.4	1.5	4.2	1.0								7.1	8.1
E	.8	1.5	3.1	.7								6.1	7.2
ESE	.4	2.8	2.9	.1								6.2	6.4
SE	.4	4.2	4.9	.3								9.7	6.7
SSE	.3	2.9	4.9	1.4								9.4	7.9
S	.1	3.1	2.5	.6	.3							6.5	7.6
SSW		1.1	1.1	.1	.1							2.5	7.9
SW	.6	.6	1.2	.3								2.6	7.2
WSW	.7	1.2	1.1	.5	.1							4.0	7.8
W	.3	1.9	3.3	1.6	.4	.1						7.9	10.0
WNW	.1	.8	3.3	1.7	.3							6.2	10.3
NW	.3	1.5	4.3	2.6	.6							9.4	10.1
NNW	.1	1.0	2.8	1.5	.4							5.8	10.1
VARB													
CALM												2.9	
	5.7	26.8	46.5	15.4	2.5	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.2	1.5	.4								6.8	5.1
NNE	.7	2.6	.7	.4								4.4	5.9
NE	.7	2.2	1.3									4.3	5.7
ENE	.7	1.8	1.7	.4								4.6	6.2
E	.6	1.5	2.0	.2								4.3	6.5
ESE	.4	.9	.7									2.0	5.8
SE	.4	1.1	.2									1.7	4.9
SSE	.2	.9	.7									1.8	5.7
S	1.1	4.3	2.8	.4								8.5	6.1
SSW	1.1	1.1	.4									2.6	4.0
SW	.7	.9	.4	.2								2.2	4.8
WSW	.5	.6		.2								1.3	5.0
W	.9	2.4	.4	.7								4.4	6.2
WNW	.6	1.1	3.3	1.5								6.5	8.7
NW	2.0	3.1	3.0	1.2	.2							9.8	6.9
NNW	2.0	2.0	2.6	.4	.2							7.2	6.1
VARBL													
CALM												27.5	
	15.5	28.8	21.6	6.1	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 541

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-78 YEARS OCT MONTH
2100-2300 HOUR (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	2.5	.7								7.8	6.4
NNE	.7	3.2	.4									4.3	5.4
NE		2.1	1.4	.4								3.9	6.9
ENE	1.1	1.4	1.8	.4								4.6	6.4
E	.4	2.1	.7									3.2	5.8
ESE	.4	2.5	1.1	.7								4.6	6.2
SE		1.1	.4									1.4	6.5
SSE			.4									.4	8.0
S	.4	3.2	1.8									5.3	5.8
SSW	1.4	.4	.4	.4								2.5	5.6
SW	.7	.7										1.4	3.3
WSW	.4	1.4	.7									2.5	5.7
W		2.1	1.8									3.9	7.2
WNW	.7	3.6	1.8	2.1	.4							8.5	8.5
NW	1.4	3.6	1.1	.4								6.4	5.4
NNW	.7	2.1	.7									3.6	5.3
VARBL													
CALM												35.6	
	10.0	32.4	16.7	5.0	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 281

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

9374, MARTIN MARIETTA AIRFIELD MD 76-78 OCT
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	3.2	.8	.1							7.7	7.2
NNE	.7	2.0	1.7	.4								4.8	6.7
NE	.7	2.0	2.3	.7								5.7	7.2
ENE	.6	1.5	3.1	.5	.0							5.8	7.4
E	.7	1.8	1.8	.4								4.8	6.5
ESE	.5	1.5	1.2	.1								3.5	5.9
SE	.5	2.4	1.9	.1	.1							5.0	6.4
SSE	.4	2.0	2.0	.3		.0						4.9	7.0
S	.6	2.8	2.4	.6	.1	.0	.0					6.5	7.1
SSW	.6	1.3	.8	.1	.0							2.9	5.8
SW	.7	1.2	1.0	.2								3.0	6.2
WSW	.6	1.3	1.2	.2	.0							3.3	6.5
W	.4	2.2	2.6	1.0	.3	.0						6.5	8.4
WNW	.3	1.5	2.9	1.4	.1							6.1	9.0
NW	1.1	2.3	3.6	1.6	.2							8.9	8.2
NNW	.7	1.6	2.7	1.2	.1							6.3	8.2
VARBL													
CALM												14.6	
	10.4	29.9	34.3	9.5	1.0	.1	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 3470

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	1.8	.3								6.6	5.4
NNE	1.5	2.7	1.2									5.4	5.0
NE	.6	1.2	2.4	.3								4.9	6.9
ENE	.3	2.1	3.0	.6								6.0	7.8
E	.6	1.8	.9									3.3	5.9
ESE			.3									.3	5.0
SE	.9		.3									1.2	4.3
SSE		.9										.6	4.3
S	.6	1.2	1.5	.6								3.9	7.0
SSW	.6	1.2		.3								2.1	9.1
SW	.9	.6	.3									1.8	4.0
WSW	1.5	3.6	2.1	.9								7.9	6.0
W	.9	6.3	3.6	2.7								13.6	7.4
WNW	.9	2.1	1.2									4.2	5.3
NW	.6	3.3	2.1	1.5								7.6	7.3
NNW	2.4	2.4	2.4	.6	.3							8.2	6.0
VARBL													
CALM												22.4	
	14.2	32.3	23.3	7.6	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

331

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 MARTIN MARIETTA AIRFIELD MD 0-78 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.9	2.9	.7	.1							8.0	6.8
NNE	.6	1.9	1.0	.5								3.7	6.1
NE	1.0	2.1	2.4	.4								6.0	6.7
ENE	.6	2.4	3.9	.4								7.3	7.5
E	1.3	2.3	2.1	.3								6.0	5.9
ESE	.3	1.3	.4									2.0	4.9
SE	.4	1.4	.7									2.6	5.4
SSE	.4	.9	1.4									2.7	6.4
S	.9	2.0	1.9	.4								5.2	6.4
SSW	.9	2.0	1.0	.4								4.3	6.0
SW	.9	1.0	1.0	.1								3.0	5.4
WSW	.4	1.7	2.6	1.3								6.0	8.1
W	.6	2.0	4.9	2.4	.9							10.7	9.9
WNW	.1	1.7	4.0	2.4	.1							8.6	9.2
NW	.3	.7	3.0	2.7	.6	.1						7.4	11.0
NNW	.4	1.0	2.4	1.9	.3							6.0	9.3
VARBL													
CALM												10.3	
	10.6	27.4	35.7	13.5	2.0	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 698

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEAR

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.9	1.2								5.6	8.4
NNE	.3	1.6	1.6									3.5	6.2
NE	.4	1.4	1.2	.1								3.2	6.0
ENE	.4	2.2	1.7	.6								4.9	7.2
E	.6	2.0	1.9									4.5	6.2
ESE	.6	2.9	1.6									5.1	5.9
SE	.4	3.8	3.2	.1								7.5	6.2
SSE	.6	3.9	3.9	.4								8.8	6.7
S	.6	2.9	1.9	2.0								7.4	7.6
SSW	.3	.7	.9	.4								2.3	7.6
SW	.4	.3	1.2	.3								2.2	7.3
WSW	.1	.7	1.6	.4	.1							3.0	8.5
W		2.0	4.5	3.5	.7	.3						11.0	10.9
WNW	.3	.9	4.6	2.3	1.3							9.4	11.1
NW		1.4	5.8	4.1	.6							11.9	10.9
NNW	.1	2.2	2.3	1.3	.3							6.2	9.0
VARBL													
CALM												3.5	
	5.6	30.1	40.7	16.8	3.0	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 691

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 NDV
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.6	2.7	.3	.3							5.7	7.3
NNE	.2	2.8	1.1	.3								4.4	6.1
NE	.2	1.9	.3	.3								2.7	6.5
ENE	.2	2.2	1.7	.9								5.1	7.9
E	.3	1.6	.9	.2								3.0	6.1
ESE	1.6	1.9	.6									4.1	4.4
SE	1.6	3.8	.9									6.3	4.9
SSE	1.1	3.5	4.3	.2								9.0	6.2
S	1.3	3.5	3.8	.9								9.5	7.1
SSW	.2	.3	.9	.3								1.7	8.1
SW	.6	1.1	.6	.5								2.8	6.6
WSW	.2	.5	1.6	.3								2.5	8.6
W	.5	1.9	4.1	1.3	.6							8.4	9.2
WNW	.2	1.9	4.9	3.5	1.3							11.7	10.7
NW	.3	2.4	4.7	2.1	.6							10.1	9.3
NNW	.8	2.1	2.2	1.4								6.5	7.9
VARBL													
CALM												6.5	
	9.8	32.9	35.5	12.5	2.8							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MA:

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.9	2.0									8.8	5.0
NNE	.2	1.8	.4									2.4	5.0
NE	.6	1.6	1.8	.4								4.5	7.0
ENE	1.0	.8	1.6	1.0								4.5	7.7
E	.4	1.2		.4								2.0	5.6
ESE	.4	.8	.4									1.6	5.8
SE	.2	.6										.8	6.5
SSE		1.2	.8	.4								2.2	6.7
S	1.4	5.5	2.0									9.0	5.3
SSW	.6	1.4	.4									2.4	4.9
SW	.4	1.4	.4									2.2	5.0
WSW		.6	.4	.4								1.4	8.3
W	1.4	3.1	1.8	1.6	.2							8.2	7.6
WNW	.2	3.3	4.5	1.8	.6							10.4	9.3
NW	1.6	2.9	3.5	2.9								10.8	8.2
NNW	2.2	1.6	1.4	.6								5.9	5.8
VARBL													
CALM												22.7	
	13.7	31.8	21.6	9.4	.8							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	.7									6.0	4.7
NNE	.7	1.7	1.2									3.7	5.9
NE	.2	3.2	1.2	.2	.2							5.2	7.1
ENE	1.0	2.7	1.5	1.0								6.2	7.2
E	.5	.5	.7	.2								2.0	6.8
ESE	.2	.7										1.0	4.8
SE		.2	1.0									1.2	7.2
SSE		.2	.7									1.0	8.5
S		1.2	2.2	.7								4.2	8.3
SSW		1.2	1.5									2.7	7.3
SW	.2	1.0	1.2									2.5	6.2
WSW	.2	2.7	.2									3.2	5.5
W	.5	4.0	4.0	.5								8.9	7.1
WNW	.7	2.7	4.0	1.7	.2							9.4	8.3
NW	3.5	4.0	3.0	.7	1.0							12.2	7.0
NNW	3.0	3.5	1.0	.2								7.7	4.7
VARBL													
CALM												22.8	
	12.7	33.3	24.3	5.5	1.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

403

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-78 NOV MONTH
ALL WEATHER CLASS ALL HOURS (L.S.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	2.3	.5	.1							6.8	6.5
NNE	.5	2.1	1.1	.1								3.8	5.8
NE	.5	1.9	1.5	.3	.0							4.3	6.7
ENE	.6	2.1	2.3	.7								5.7	7.5
E	.6	1.7	1.2	.2								3.7	6.0
ESE	.6	1.5	.6									2.7	5.2
SE	.6	2.0	1.2	.0								3.8	5.6
SSE	.4	2.0	2.2	.2								4.8	6.5
S	.8	2.8	2.3	.9								6.8	6.8
SSW	.4	1.1	.8	.3								2.7	6.5
SW	.6	.9	.8	.2								2.5	5.9
WSW	.3	1.4	1.5	.6	.0							3.9	7.5
W	.6	2.8	3.9	2.1	.5	.1						10.0	9.1
WNW	.4	2.0	4.1	2.2	.7							9.3	9.7
NW	.9	2.2	3.9	2.5	.5	.0						10.0	9.3
NNW	1.2	2.0	2.0	1.1	.2							6.6	7.4
VARBL													
CALM												12.8	
	10.5	30.9	31.9	11.9	2.0	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 3246

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744 MARTIN MARIETTA AIRFIELD MD 70-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.6	1.6	.6	.3							6.0	6.6
NNE	2.2	1.6	1.3	.3								5.4	4.8
NE	1.9	1.9	.3									4.1	4.2
ENE	1.3	1.3	2.5									5.1	6.3
E	.6	.6	.3	.3								1.9	5.8
ESE		.3	.3									.6	7.5
SE	.3	.9	.3									1.6	5.8
SSE		.6										.6	6.0
S	.3	2.2	1.3	.3								4.1	6.4
SSW	.9	1.6										2.5	3.6
SW	.9	.6	.3									1.9	4.0
WSW	1.3	1.3	2.2	.3								5.1	6.2
W	.6	1.6	5.7	.6	.3							8.9	8.4
WNW	.6	2.5	6.0	2.2	.6							12.0	9.2
NW	1.3	1.9	2.2	2.2	.6							8.2	8.9
NNW	2.5	.9	.6	.3	.3							4.7	5.4
VARBL													
CALM												27.2	
	16.6	21.5	25.0	7.3	2.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 316

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.6	2.9	.3								6.8	6.3
NNE	.8	1.8	1.7	.2								4.4	6.2
NE	1.5	2.0	1.2	.5	.3							5.5	6.6
ENE	.9	2.6	2.0	.3								5.8	6.0
E	2.1	2.0	.6	.3								5.0	4.8
ESE	.8	1.2	.5									2.4	5.3
SE	.8	1.1	.5									2.3	4.5
SSE	.3	.8	.3	.2								1.5	5.6
S	1.1	1.8	2.7	.3								5.9	6.6
SSW	.3	1.7	1.2	.2								3.3	6.4
SW	.9	2.0	.8									3.6	4.9
WSW	.5	1.7	1.5									4.1	5.8
W	.8	2.3	4.4	2.7	.6	.2						10.9	9.7
WNW	.8	1.2	3.6	3.0	1.8	.2						10.6	11.6
NW	.5	.9	3.3	4.7	.6							10.0	11.3
NNW	.3	.8	2.1	1.1								4.3	9.1
VARBL													
CALM												13.4	
	13.7	26.3	29.3	13.7	3.3	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 DEC

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

1200-1400

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.0	.5								5.9	6.4
NNE	.5	1.6	.8	.2								3.0	6.0
NE	.8	1.1	1.6	.3								3.7	6.7
ENE	.5	2.6	1.4	.8								5.7	6.9
E	.3	2.0	.8	.3								3.4	6.4
ESE	.9	3.3	.9									5.1	5.2
SE	.8	4.5	1.0	.2								7.3	5.8
SSE	.8	3.9	1.1	.6								6.5	6.1
S	.2	2.6	2.3	.6								5.7	7.5
SSW		1.4	1.4									2.8	7.2
SW	.5	1.7	1.2	.3								3.7	6.6
WSW	.2	1.1	1.6	.5								3.3	8.1
W	.2	1.4	4.2	3.0	.9							9.6	10.7
WNW	.2	.5	3.9	4.1	2.2	.9						11.6	13.6
NW	.2	1.1	4.2	6.1	.3							11.8	11.1
NNW		1.7	1.7	2.2	.2	.2						5.9	10.1
VARBL													
CALM												4.8	
	7.1	32.9	30.9	19.6	3.6	1.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 644

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	2.7	.3								5.1	7.2
NNE	.7	1.5	1.5									3.9	5.9
NE	.2	1.5	1.5	.3								3.9	6.8
ENE	.7	1.9	.5	.3	.2							3.5	6.8
E	1.9	3.9	1.5									7.3	4.8
ESE	2.2	1.7	.5									4.4	4.2
SE	.7	3.0	.8									4.6	5.0
SSE		2.7	1.2	.3								4.2	6.7
S	.5	2.4	3.7	1.4								7.9	8.0
SSW	.3	1.4	1.0	.3								3.0	6.7
SW	.2	1.2	1.0	.2								2.5	6.8
WSW		1.5	1.5	.2								3.2	7.5
W	.5	1.5	3.5	1.9	.5							7.9	9.5
WNW	.3	1.5	6.1	3.5	2.0	.2						13.7	11.6
NW	.2	1.5	5.9	3.7	.2							11.5	10.0
NNW	.7	1.4	2.4	2.0	.2							6.6	8.9
VARBL													
CALM												6.9	
	10.0	29.9	35.5	14.5	3.0	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

592

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	2.9	2.1	.4								6.0	6.6
NNE	2.1	1.7	.8									4.5	4.0
NE	.8	1.0	.6									3.1	6.7
ENE	.8	1.4	1.0	.2	.4							3.9	7.3
E	.4	1.0										1.4	4.6
ESE	.2	1.4										1.7	4.4
SE	.6	1.4	1.0									3.1	5.1
SSE	.4	1.4	.2									2.1	4.2
S	.6	4.1	4.1	.0								9.9	7.1
SSW	.2	1.4	1.0									2.7	6.5
SW	.2	2.3	.8									3.3	5.5
WSW	.4	1.9										2.3	4.8
W	.6	2.7	2.7	.6								6.8	7.3
WNW	1.0	1.2	4.8	4.5	.8	.2	.2					12.8	11.4
NW	1.2	1.9	3.7	2.5								9.3	8.5
NNW	1.0	1.9	1.0	1.2	.2	.2						5.6	8.3
VARBL													
CALM												21.5	
	11.6	29.8	24.0	11.2	1.4	.4	.2					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 484

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 MARTIN MARIETTA AIRFIELD MD 70-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.3	2.5	1.5	.3								5.6	5.5
NNE	1.3	1.5			.3							3.0	4.9
NE	1.3	1.0	.8	.3								3.3	5.2
ENE		1.0	1.5									2.3	7.0
E	.3	1.3	.3	.3								2.0	5.8
ESE		.5	.5									1.0	6.3
SE	.3	1.0	.3									1.5	4.8
SSE		.8	.3	.5								1.5	8.0
S	2.0	1.5	3.3	1.0								7.9	7.0
SSW	.3	1.0	.5	.3								2.0	6.9
SW	1.3	1.0	1.5									3.8	5.3
WSW	.5	1.5	.3									2.3	4.9
W	.3	1.5	3.0	2.5								7.4	9.4
WNW	.8	1.3	4.3	2.8	.5							9.6	10.0
NW	1.0	2.5	4.6	2.0	.5							10.7	8.9
NNW	1.0	1.8	1.3	1.0	.3	.3						5.6	8.2
VARBL													
CALM												30.2	
	11.4	21.8	23.9	10.9	1.5	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARITTA AIRFIELD MD 70-78 YEARS DEC MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	2.2	.4	.0							5.9	6.4
NNE	1.1	1.6	1.1	.1	.0							3.9	5.4
NE	1.1	1.4	1.1	.4	.1							4.0	6.3
ENE	.7	2.0	1.4	.3	.1							4.6	6.6
E	1.0	2.0	.6	.2								3.9	5.2
ESE	.8	1.6	.5									2.9	4.9
SE	.6	2.2	.9	.0								3.7	5.3
SSE	.3	1.9	.6	.3								3.1	6.1
S	.8	2.5	3.0	.7								7.0	7.2
SSW	.3	1.4	1.0	.1								2.8	6.4
SW	.6	1.6	1.0	.1								3.2	5.7
WSW	.5	1.5	1.2	.2								3.3	6.4
W	.5	1.8	3.9	2.1	.5	.0						8.8	9.4
WNW	.6	1.3	4.7	3.5	1.5	.3	.0					11.8	11.5
NW	.6	1.5	4.1	3.9	.4							10.5	10.1
NNW	.7	1.4	1.7	1.4	.2	.1						5.5	8.7
VARBL													
CALM												15.2	
	11.3	27.6	28.9	13.7	2.7	.4	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 3088

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93744 STATION MARTIN MARIETTA AIRFIELD MD 70-79 YEARS ALL MONTH ALL HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	2.6	.7	.1	.0	.0					6.4	7.2
NNE	.5	1.6	1.5	.3	.0							4.0	6.8
NE	.5	1.5	1.5	.4	.0							3.9	6.9
ENE	.5	1.6	1.6	.4	.1							4.2	7.2
E	.8	2.0	1.5	.3	.0	.0						4.6	6.4
ESE	.5	1.8	1.2	.2	.0							3.8	6.2
SE	.6	2.5	2.6	.3	.0							5.9	6.6
SSE	.6	2.2	3.6	.7	.0	.0						7.2	7.6
S	.9	3.2	3.6	1.1	.1	.0	.0					8.9	7.4
SSW	.5	1.5	1.2	.2	.0	.0						3.3	6.5
SW	.4	1.3	.9	.2	.0							2.8	6.3
WSW	.4	1.4	1.4	.3	.0	.0	.0	.0				3.6	7.3
W	.4	2.0	3.3	1.7	.4	.1	.0					7.8	9.3
WNW	.3	1.4	3.6	2.2	.5	.0	.0					8.1	10.1
NW	.7	1.9	3.7	2.3	.4	.1						9.1	9.4
NNW	.7	1.6	2.3	1.1	.1	.0	.0					5.9	8.1
VARBL													
CALM												10.4	
	9.1	29.7	36.2	12.4	1.8	.2	.0	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 37813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-79
YEARS

ALL
MONTH

INSTRUMENT

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CLASS

AND/LR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.5	2.5	.6	.1							6.9	6.7
NNE	.0	3.6	3.2	.9	.2							8.6	7.3
NE	1.1	3.6	5.1	1.5	.1							11.7	7.7
ENE	1.0	3.7	5.6	2.0	.4							12.8	8.2
E	1.1	3.4	3.5	1.0	.0	.0						9.2	7.1
ESE	.5	1.7	1.4	.3	.1							4.0	7.0
SE	.6	2.3	1.3	.2	.0							4.5	6.0
SSE	.8	1.6	1.6	.4	.0	.0						4.5	6.7
S	1.3	3.1	3.2	.9	.1	.0	.0					8.6	7.1
SSW	.5	1.8	.9	.1	.0							3.3	6.0
SW	.5	1.1	.6	.1								2.4	5.7
WSW	.4	1.5	.5	.1	.0			.0				2.5	5.9
W	.4	.8	.4	.4	.1							2.0	7.5
WNW	.3	.4	.4	.2	.1							1.4	7.6
NW	.5	.7	.8	.6	.2							2.7	8.6
NNW	.5	1.2	1.0	.4	.0		.0					3.2	7.2
VARBL													
CALM												11.7	
	11.6	33.2	32.1	9.8	1.5	.1	.0	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

4517

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour group

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400										97.4						98.1
≥ 300																
≥ 200																
≥ 100																
≥ 0																100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 98.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 91.0%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-76
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	32.7	38.8	39.4	40.8	41.1	41.3	41.6	41.6	41.6	41.6	41.9	41.9	41.9	41.9	42.2	42.5
≥ 20000	33.8	42.0	43.9	45.5	45.8	46.1	46.4	46.4	46.4	46.4	46.6	46.6	46.6	46.6	46.9	47.2
≥ 18000	34.1	42.7	44.1	45.8	46.1	46.4	46.6	46.6	46.6	46.6	46.9	46.9	46.9	46.9	47.2	47.5
≥ 16000	34.4	43.0	44.4	46.1	46.4	46.6	46.9	46.9	46.9	46.9	47.2	47.2	47.2	47.2	47.5	47.8
≥ 14000	35.2	44.1	45.5	47.2	47.5	47.8	48.0	48.0	48.0	48.0	48.3	48.3	48.3	48.3	48.6	48.9
≥ 12000	36.3	46.1	47.5	49.2	49.4	49.7	50.0	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.6	50.8
≥ 10000	41.1	53.1	54.5	56.1	56.4	57.0	57.3	57.3	57.3	57.3	57.8	57.8	57.8	57.8	58.1	58.4
≥ 9000	41.3	53.6	55.0	56.7	57.0	57.5	57.8	57.8	57.8	57.8	58.4	58.4	58.4	58.4	58.7	58.9
≥ 8000	43.0	57.0	58.4	60.3	60.6	61.2	61.5	61.5	61.5	61.5	62.3	62.3	62.3	62.3	62.6	62.8
≥ 7000	44.4	59.2	60.7	63.1	63.7	64.2	64.5	64.5	64.5	64.5	65.4	65.4	65.4	65.4	65.6	65.9
≥ 6000	46.4	61.2	62.8	65.1	65.6	66.2	66.5	66.5	66.5	66.5	67.3	67.3	67.3	67.3	67.6	67.9
≥ 5000	48.6	63.7	65.4	67.9	68.7	69.3	69.6	69.6	69.6	69.6	70.4	70.4	70.4	70.4	70.7	70.9
≥ 4500	48.9	64.2	65.9	68.4	69.3	69.8	70.1	70.1	70.1	70.1	70.9	70.9	70.9	70.9	71.2	71.5
≥ 4000	50.8	67.0	68.7	71.2	72.1	72.6	73.2	73.2	73.2	73.2	74.0	74.0	74.0	74.0	74.3	74.6
≥ 3500	52.2	69.8	71.8	74.3	75.4	76.0	76.5	76.5	76.5	76.5	77.4	77.4	77.4	77.4	77.7	77.9
≥ 3000	53.1	70.9	72.9	75.4	76.8	77.7	78.2	78.2	78.2	78.2	79.3	79.3	79.3	79.3	79.6	79.9
≥ 2500	53.9	72.1	74.0	76.5	77.9	78.8	79.3	79.3	79.3	79.3	79.6	80.4	80.4	80.4	80.7	81.0
≥ 2000	54.2	72.3	74.3	76.8	78.2	79.1	79.6	79.6	79.6	79.6	79.9	80.7	80.7	80.7	81.0	81.3
≥ 1800	54.2	72.3	74.3	76.8	78.2	79.1	79.6	79.6	79.6	79.6	79.9	80.7	80.7	80.7	81.0	81.3
≥ 1500	54.2	72.6	74.6	77.1	78.5	79.3	79.9	79.9	79.9	79.9	80.2	81.0	81.0	81.0	81.3	81.6
≥ 1200	54.2	72.9	74.9	77.4	79.3	80.2	81.0	81.0	81.0	81.0	81.3	82.1	82.1	82.1	82.4	82.7
≥ 1000	54.2	73.2	75.4	77.9	79.9	80.7	81.6	81.6	81.6	81.6	81.8	82.7	82.7	82.7	83.0	83.2
≥ 900	54.2	73.2	75.4	78.2	80.4	81.3	82.7	82.7	82.7	82.7	83.0	84.6	84.6	84.6	84.9	85.5
≥ 800	54.2	74.0	76.5	79.6	82.4	83.5	85.5	85.5	85.5	85.5	86.3	88.0	88.0	88.0	88.5	89.1
≥ 700	54.2	74.0	76.8	79.9	82.7	83.8	86.3	86.3	86.3	86.3	87.4	89.4	89.4	89.4	89.9	90.5
≥ 600	54.2	74.0	76.8	79.9	82.7	84.1	86.9	87.2	87.4	88.5	90.5	90.5	90.5	91.3	91.3	91.9
≥ 500	54.2	74.0	76.8	79.9	83.0	84.6	88.0	88.5	88.8	89.9	92.2	92.2	92.2	93.0	93.0	93.6
≥ 400	54.2	74.0	76.8	79.9	83.0	85.2	88.5	89.7	89.9	91.9	94.7	94.7	95.5	95.5	95.8	96.1
≥ 300	54.2	74.0	76.8	79.9	83.0	85.2	88.8	89.9	90.2	92.7	95.5	95.5	96.6	96.6	96.9	97.2
≥ 200	54.2	74.0	76.8	79.9	83.0	85.5	89.1	90.2	90.5	93.0	96.4	96.4	98.0	98.0	98.3	98.9
≥ 100	54.2	74.0	76.8	79.9	83.0	85.5	89.1	90.2	90.5	93.0	96.4	96.4	98.0	98.3	98.9	100.0
≥ 0	54.2	74.0	76.8	79.9	83.0	85.5	89.1	90.2	90.5	93.0	96.4	96.4	98.0	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

358

USAF ETAC

FORM 04

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	31.8	34.5	40.2	41.7	42.4	42.4	42.5	42.5	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	35.3	44.4	47.3	49.0	49.8	49.8	49.9	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2
≥ 18000	35.3	44.7	47.6	49.2	50.1	50.1	50.2	50.2	50.2	50.3	50.5	50.5	50.5	50.5	50.5	50.5
≥ 16000	35.8	44.0	47.9	49.5	50.3	50.3	50.5	50.5	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8
≥ 14000	36.9	47.7	49.7	51.3	52.1	52.1	52.3	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	37.6	49.1	51.0	52.7	53.5	53.5	53.6	53.6	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	40.3	54.3	56.5	58.2	59.0	59.0	59.3	59.3	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	41.0	55.6	57.8	59.4	60.2	60.2	60.5	60.5	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9
≥ 8000	43.9	60.4	63.0	64.8	65.8	65.8	66.1	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	45.1	62.1	64.9	66.5	67.9	67.9	68.2	68.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	45.7	63.2	66.0	67.6	69.0	69.0	69.3	69.3	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	46.4	64.3	67.1	69.0	71.1	71.1	71.3	71.3	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	46.8	65.2	67.9	69.8	71.9	71.9	72.2	72.2	72.2	72.4	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	48.7	68.3	71.1	73.0	75.0	75.0	75.3	75.3	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	49.3	69.4	72.2	74.1	76.1	76.1	76.4	76.4	76.4	76.8	77.1	77.2	77.2	77.2	77.2	77.2
≥ 3000	50.5	71.3	74.1	76.1	78.6	78.9	79.3	79.3	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	50.5	71.7	74.8	77.1	79.6	80.0	80.4	80.5	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	50.5	71.9	74.9	77.4	79.8	80.5	80.9	81.1	81.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	50.6	71.9	74.9	77.5	80.0	80.7	81.1	81.2	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	50.6	72.2	75.3	77.9	80.5	81.6	82.3	82.6	82.6	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	50.6	72.3	75.4	78.7	81.8	82.9	83.5	83.8	83.8	84.6	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	50.6	72.0	76.3	79.7	83.3	84.6	85.5	85.7	85.9	86.7	87.1	87.1	87.4	87.4	87.4	87.4
≥ 900	50.8	73.4	76.7	80.2	83.8	85.5	86.7	87.2	87.4	88.5	88.9	89.0	89.3	89.3	89.3	89.3
≥ 800	50.8	73.5	76.8	80.7	84.4	86.1	87.5	88.6	88.8	89.8	90.3	90.4	90.7	90.7	90.7	90.7
≥ 700	50.8	73.5	76.8	80.7	84.5	86.3	87.7	89.0	89.2	90.5	90.9	91.1	91.5	91.5	91.5	91.5
≥ 600	50.8	73.5	76.8	80.7	84.5	86.3	87.8	89.4	89.6	91.2	91.6	91.8	92.2	92.2	92.2	92.2
≥ 500	50.8	73.5	76.8	80.8	84.8	86.7	88.8	91.1	91.2	93.1	93.6	93.7	94.2	94.2	94.4	94.4
≥ 400	50.8	73.5	76.8	80.8	84.8	87.4	89.8	92.5	92.6	94.9	95.7	95.9	96.6	96.6	96.7	96.7
≥ 300	50.8	73.5	76.8	80.8	84.8	87.4	90.0	92.7	93.0	95.6	97.1	97.3	97.9	97.9	98.2	98.4
≥ 200	50.8	73.5	76.8	80.8	84.8	87.4	90.0	92.7	93.1	95.7	97.4	97.5	98.2	98.2	98.5	98.8
≥ 100	50.8	73.5	76.8	80.8	84.8	87.4	90.0	92.7	93.1	95.7	97.4	97.5	98.4	98.4	99.0	99.7
≥ 0	50.8	73.5	76.8	80.8	84.8	87.4	90.0	92.7	93.1	95.7	97.4	97.5	98.4	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

729

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.3	37.6	38.1	39.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 20000	37.8	47.9	48.6	49.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	38.0	48.0	48.7	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	38.0	48.0	48.7	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	39.0	49.9	50.6	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	40.6	52.0	52.9	53.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	42.3	54.0	56.3	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	42.7	56.1	57.4	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	44.7	59.9	61.9	62.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	45.1	60.9	63.1	64.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	45.9	62.7	64.9	65.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	48.0	65.4	67.6	68.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	48.7	64.3	68.7	69.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	51.1	71.2	74.2	75.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3500	52.0	72.9	76.0	77.5	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3000	52.8	74.4	77.9	79.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	53.1	75.0	78.5	80.2	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	53.1	74.8	79.5	81.3	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	53.1	76.3	79.9	81.7	83.2	83.7	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	53.1	76.5	80.2	82.0	83.5	84.2	84.4	84.8	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1
≥ 1200	53.1	76.7	80.3	82.7	84.4	85.2	85.3	85.9	86.0	86.3	86.3	86.3	86.5	86.5	86.5	86.5
≥ 1000	53.1	74.8	80.6	83.1	85.3	86.3	86.7	87.6	87.7	88.1	88.1	88.1	88.4	88.4	88.4	88.4
≥ 900	53.1	77.0	80.9	83.7	85.9	87.0	87.6	88.7	88.8	89.2	89.2	89.2	89.5	89.5	89.7	89.7
≥ 800	53.1	77.1	81.0	83.8	86.7	88.1	88.8	90.1	90.2	90.6	90.6	90.6	90.9	90.9	91.1	91.1
≥ 700	53.1	77.4	81.4	84.5	87.7	89.7	90.4	91.6	91.8	92.2	92.2	92.2	92.5	92.5	92.6	92.6
≥ 600	53.1	77.4	81.4	84.5	87.6	89.9	90.8	92.2	92.3	92.7	93.4	93.4	93.9	93.9	94.0	94.0
≥ 500	53.1	77.4	81.4	84.5	88.0	90.6	92.0	93.9	94.0	94.7	95.4	95.4	95.8	95.8	95.9	95.9
≥ 400	53.1	77.4	81.4	84.5	88.0	90.6	92.3	94.6	94.7	95.5	96.4	96.4	96.9	96.9	97.1	97.1
≥ 300	53.1	77.4	81.4	84.5	88.0	90.6	92.5	95.1	95.3	96.1	97.1	97.1	97.6	97.6	97.8	97.8
≥ 200	53.1	77.4	81.4	84.5	88.0	90.8	92.7	95.4	95.5	96.4	97.3	97.3	97.9	97.9	98.2	98.2
≥ 100	53.1	77.4	81.4	84.5	88.0	90.8	92.7	95.4	95.5	96.4	97.3	97.3	98.0	98.0	98.7	99.3
≥ 0	53.1	77.4	81.4	84.5	88.0	90.8	92.7	95.4	95.5	96.4	97.3	97.3	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

714

USAF ETAC

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARETTA AIRFIELD MD

71-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	38.2	43.3	43.7	44.2	44.4	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	41.0	52.1	52.6	53.0	53.5	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	41.3	52.4	52.9	53.3	53.8	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	41.3	52.4	52.9	53.3	53.8	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	43.1	54.9	55.3	55.8	56.3	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	45.0	57.5	58.0	58.4	58.9	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000	46.7	60.6	61.1	61.5	62.0	62.1	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	46.8	61.4	62.0	62.4	62.9	63.1	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	48.5	64.3	65.1	65.5	66.0	66.2	66.2	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	49.8	66.9	67.7	68.2	68.8	68.9	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 6000	51.3	68.8	69.6	70.0	70.8	71.1	71.1	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 5000	53.0	71.4	72.3	73.0	73.7	74.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4500	53.3	72.3	73.3	73.9	75.0	75.3	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4000	54.1	74.3	75.7	76.7	77.7	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	55.8	77.3	78.8	80.2	81.3	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	56.4	79.3	80.8	82.4	83.5	83.8	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	56.6	79.8	81.3	83.0	84.1	84.4	84.5	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	56.7	80.2	82.1	83.9	85.0	85.3	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	56.7	81.0	82.8	84.7	85.8	86.1	86.2	86.2	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500	56.7	81.6	83.5	85.3	86.9	87.5	87.6	88.3	88.3	89.0	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1200	56.7	81.6	83.5	85.3	87.2	87.9	88.3	88.9	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1000	56.7	81.6	83.5	85.3	87.2	87.9	88.3	88.9	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	56.7	81.6	83.5	85.3	87.2	87.9	88.3	88.9	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	56.7	81.6	83.5	85.3	87.2	87.9	88.3	88.9	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	56.7	82.1	84.1	86.2	89.0	90.4	91.8	92.7	92.9	94.1	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600	56.7	82.1	84.1	86.2	89.0	90.4	91.8	92.7	92.9	94.1	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500	56.7	82.1	84.1	86.2	89.2	91.3	92.7	94.1	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	56.7	82.1	84.1	86.2	89.2	91.3	92.7	94.1	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
≥ 300	56.7	82.1	84.1	86.2	89.2	91.3	92.7	94.1	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	56.7	82.1	84.1	86.2	89.2	91.3	92.7	94.1	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
≥ 100	56.7	82.1	84.1	86.2	89.2	91.3	92.7	94.1	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3
≥ 0	56.7	82.1	84.1	86.2	89.2	91.3	92.7	94.1	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS

647

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.2	54.3	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	49.5	50.3	59.5	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	49.5	59.3	59.5	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	50.3	60.2	60.4	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	51.4	61.2	61.4	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	53.2	63.5	63.9	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000	56.0	67.5	67.9	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000	56.6	68.5	68.8	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 8000	58.1	70.9	71.3	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 7000	59.7	73.2	73.6	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	61.0	75.0	75.3	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	62.7	76.9	77.2	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	63.5	78.4	79.0	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4000	63.7	79.0	79.5	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	64.6	81.5	82.6	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	66.5	84.3	85.5	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	66.7	84.6	86.0	86.6	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	67.9	86.6	87.8	88.3	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	67.9	87.2	88.3	89.1	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	67.9	87.2	88.7	89.5	90.2	90.4	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	67.9	87.2	88.7	89.5	90.4	90.6	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1000	67.9	87.2	88.7	89.5	90.4	90.6	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	67.9	87.2	88.7	89.5	90.4	90.6	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	68.1	87.4	88.9	89.9	90.6	91.0	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	68.1	87.4	88.9	90.2	91.8	92.0	92.5	93.5	93.5	93.7	93.7	93.7	93.9	93.9	93.9	93.9
≥ 600	68.1	87.4	88.9	90.2	92.0	92.7	93.3	94.5	94.5	95.0	95.2	95.2	95.4	95.4	95.4	95.4
≥ 500	68.1	87.4	89.1	90.4	92.2	93.3	94.1	95.6	95.6	96.4	96.7	96.7	97.1	97.1	97.1	97.1
≥ 400	68.1	87.4	89.1	90.4	92.2	93.3	94.1	96.0	96.0	96.9	97.3	97.3	97.7	97.7	97.7	98.3
≥ 300	68.1	87.4	89.3	90.6	92.4	93.5	94.5	96.2	96.2	97.1	97.5	97.5	98.1	98.5	98.5	99.2
≥ 200	68.1	87.4	89.3	90.6	92.4	93.5	94.5	96.4	96.4	97.3	97.7	97.7	98.5	98.9	98.9	99.8
≥ 100	68.1	87.4	89.3	90.6	92.4	93.5	94.5	96.4	96.4	97.3	97.7	97.7	98.5	98.9	98.9	99.8
≥ 0	68.1	87.4	89.3	90.6	92.4	93.5	94.5	96.4	96.4	97.3	97.7	97.7	98.5	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

523

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.2	55.8	56.5	56.5	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	53.9	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	54.1	60.6	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	54.6	61.1	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	55.6	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	57.2	64.3	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	61.4	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	62.1	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	64.0	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	65.2	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	65.9	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	67.4	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	69.1	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4000	70.0	81.7	81.4	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	70.3	81.9	82.6	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	72.0	84.5	85.5	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	72.5	85.0	86.0	86.5	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	72.7	86.2	87.2	87.7	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1800	72.9	86.5	87.4	87.9	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	73.2	86.7	88.4	89.1	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	73.2	86.7	88.4	89.1	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	73.2	86.7	88.4	89.1	89.9	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	73.2	86.7	88.4	89.1	89.9	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 800	73.2	86.7	88.6	89.4	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	73.2	86.7	88.6	89.6	91.3	91.8	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	73.2	87.0	88.9	89.9	91.8	92.5	92.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	73.2	87.0	88.9	90.1	92.5	93.2	93.5	95.2	95.2	95.9	96.1	96.1	96.4	96.4	96.4	96.4
≥ 400	73.2	87.0	88.9	90.1	92.5	93.5	93.7	95.9	95.9	96.6	97.3	97.3	97.8	97.8	97.8	98.1
≥ 300	73.2	87.0	88.9	90.1	92.5	93.5	94.0	96.1	96.1	96.9	97.6	97.6	98.3	98.3	98.6	98.8
≥ 200	73.2	87.0	88.9	90.1	92.5	93.5	94.0	96.1	96.1	96.9	97.6	97.8	98.8	98.8	99.0	99.5
≥ 100	73.2	87.0	88.9	90.1	92.5	93.5	94.0	96.1	96.1	96.9	97.6	97.8	98.8	98.8	99.0	99.8
≥ 0	73.2	87.0	88.9	90.1	92.5	93.5	94.0	96.1	96.1	96.9	97.6	97.8	98.8	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

414

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAO

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.A.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.4	43.9	44.5	45.3	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.1	46.1
≥ 20000	41.2	50.9	51.7	52.6	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4
≥ 18000	41.4	51.1	51.9	52.8	53.4	53.4	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	41.7	51.4	52.2	53.1	53.6	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	42.9	53.0	53.8	54.7	55.3	55.3	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.6
≥ 12000	44.3	55.1	56.0	56.8	57.4	57.5	57.5	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	47.0	59.3	60.4	61.2	61.8	61.9	62.0	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.3
≥ 9000	47.5	60.3	61.4	62.2	62.8	62.9	63.0	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.3
≥ 8000	49.5	63.8	65.1	66.0	66.7	66.8	66.9	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.2
≥ 7000	50.6	65.7	67.2	68.1	69.0	69.1	69.1	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	51.7	67.3	68.8	69.7	70.6	70.7	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.1
≥ 5000	53.3	69.5	70.9	72.0	73.0	73.2	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	54.0	70.6	72.1	73.1	74.3	74.4	74.5	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.8	74.8
≥ 4000	55.4	73.2	74.9	76.3	77.4	77.6	77.7	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	78.0
≥ 3500	56.4	75.1	77.1	78.5	79.7	79.9	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.4
≥ 3000	57.5	77.1	79.2	80.7	82.1	82.3	82.5	82.5	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	57.8	77.4	79.8	81.4	82.8	83.1	83.3	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.7	83.7
≥ 2000	58.0	78.4	80.7	82.3	83.7	84.1	84.3	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.8	84.8
≥ 1800	58.1	78.7	81.0	82.8	84.1	84.6	84.7	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.2	85.2
≥ 1500	58.1	79.0	81.5	83.3	84.8	85.4	85.7	86.0	86.1	86.4	86.6	86.6	86.6	86.6	86.6	86.7
≥ 1200	58.1	79.1	81.6	83.5	85.4	86.1	86.5	86.9	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.6
≥ 1000	58.1	79.3	81.9	84.0	86.0	86.9	87.5	87.9	88.0	88.5	88.7	88.7	88.8	88.8	88.8	88.9
≥ 900	58.1	79.5	82.0	84.3	86.4	87.4	88.2	88.8	88.8	89.4	89.7	89.7	89.9	89.9	89.9	90.0
≥ 800	58.2	79.7	82.3	84.7	87.2	88.2	89.2	90.0	90.1	90.7	91.0	91.0	91.2	91.2	91.3	91.3
≥ 700	58.2	79.8	82.5	85.0	87.6	89.1	90.2	91.1	91.2	92.0	92.4	92.4	92.6	92.6	92.7	92.7
≥ 600	58.2	79.8	82.5	85.1	87.9	89.4	90.6	91.8	91.9	92.9	93.4	93.4	93.7	93.7	93.9	93.9
≥ 500	58.2	79.8	82.6	85.1	88.2	90.0	91.5	93.2	93.3	94.4	95.1	95.2	95.5	95.5	95.7	95.7
≥ 400	58.2	79.8	82.6	85.1	88.2	90.3	91.9	93.9	94.1	95.5	96.4	96.5	97.0	97.0	97.2	97.4
≥ 300	58.2	79.8	82.6	85.2	88.2	90.3	92.1	94.2	94.4	95.9	97.1	97.2	97.6	97.6	97.9	98.4
≥ 200	58.2	79.8	82.6	85.2	88.2	90.3	92.2	94.3	94.5	96.0	97.4	97.5	98.3	98.3	98.7	99.0
≥ 100	58.2	79.8	82.6	85.2	88.2	90.3	92.2	94.3	94.5	96.0	97.4	97.5	98.4	98.5	99.0	99.6
≥ 0	58.2	79.8	82.6	85.2	88.2	90.3	92.2	94.3	94.5	96.0	97.4	97.5	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3387

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	32.8	44.3	47.3	48.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
≥ 20000	34.9	47.8	50.7	51.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.3
≥ 18000	35.2	49.0	51.9	53.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.5
≥ 16000	35.2	49.0	51.9	53.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.5
≥ 14000	36.4	50.7	53.7	55.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.9
≥ 12000	37.3	52.4	55.5	57.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	60.3
≥ 10000	37.9	54.0	57.0	58.8	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.8
≥ 9000	38.2	54.3	57.6	59.4	61.5	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	40.9	59.1	62.4	64.2	66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	67.2
≥ 7000	42.1	61.2	64.8	66.6	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.6
≥ 6000	42.7	62.4	66.0	68.1	70.4	70.4	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6
≥ 5000	44.5	65.7	69.6	71.9	74.6	74.6	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.8
≥ 4500	44.8	66.9	70.7	73.1	75.8	75.8	75.8	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	77.0
≥ 4000	47.2	70.4	74.3	76.7	79.4	79.4	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.9
≥ 3500	47.3	71.3	75.2	77.6	80.6	80.6	80.6	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	82.1
≥ 3000	47.3	72.7	76.1	78.8	82.4	82.4	82.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.5
≥ 2500	47.8	72.8	76.7	79.4	83.0	83.0	83.0	84.2	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1	85.7
≥ 2000	47.8	72.8	76.7	79.4	83.0	83.0	83.0	84.2	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1	85.7
≥ 1800	47.8	72.8	76.7	79.4	83.0	83.0	83.0	84.2	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1	85.7
≥ 1500	47.8	73.4	77.3	80.3	83.9	83.9	83.9	85.4	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.9
≥ 1200	47.8	74.0	77.9	80.9	84.5	84.5	84.5	86.0	86.6	86.6	86.6	86.6	86.9	86.9	86.9	86.9	87.5
≥ 1000	47.8	74.6	78.5	81.8	85.7	85.7	85.7	87.2	87.8	87.8	87.8	88.1	88.4	88.4	88.4	88.4	89.0
≥ 900	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.9
≥ 800	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 700	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 600	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 500	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 400	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 300	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 200	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 100	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1
≥ 0	47.8	74.9	79.1	82.4	86.6	86.6	86.6	88.1	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.1

TOTAL NUMBER OF OBSERVATIONS

335

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 4	≥ 0
NO CEILING	32.7	47.1	48.7	49.8	51.2	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	35.5	52.3	54.4	55.4	57.1	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	36.3	53.0	55.1	56.2	57.8	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	36.4	53.2	55.3	56.3	57.9	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	36.4	53.6	55.9	56.9	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8
≥ 12000	37.7	56.0	58.2	59.4	61.1	61.2	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5
≥ 10000	39.1	59.1	61.4	62.6	64.2	64.3	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	39.1	59.1	61.4	62.6	64.2	64.3	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000	40.0	61.4	63.9	65.2	66.9	67.0	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	40.9	63.2	65.7	67.3	69.1	69.2	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥ 6000	41.0	63.7	66.3	68.4	70.6	70.7	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	42.8	66.9	69.4	71.6	74.0	74.1	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	43.1	67.6	70.1	72.4	74.7	74.9	75.3	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	44.7	70.3	72.8	75.2	77.6	77.9	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	45.3	71.2	73.7	76.1	78.6	78.9	79.5	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	45.3	71.8	74.4	76.8	79.5	80.2	80.8	81.1	81.1	81.1	81.4	81.6	81.6	81.6	81.6	81.6
≥ 2500	45.3	72.2	74.9	77.4	80.5	81.6	82.3	82.6	82.6	82.6	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	45.3	72.8	75.0	78.2	81.2	82.5	83.5	83.8	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	45.3	72.8	75.0	78.2	81.3	82.9	84.0	84.2	84.2	84.3	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	45.3	73.4	76.4	78.9	82.3	84.0	85.0	85.3	85.3	85.7	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200	45.3	74.0	77.3	80.1	83.5	85.1	86.2	86.5	86.5	86.9	87.1	87.1	87.2	87.2	87.2	87.2
≥ 1000	45.3	74.3	77.6	80.5	84.4	86.2	87.4	87.7	87.7	88.3	88.6	88.6	88.7	88.7	88.7	88.7
≥ 900	45.3	74.4	77.7	81.0	85.4	87.4	88.9	89.2	89.2	89.9	90.3	90.3	90.5	90.5	90.5	90.5
≥ 800	45.3	74.7	78.0	81.3	85.9	88.3	90.0	90.5	90.5	91.2	91.7	91.7	91.8	91.8	91.8	91.8
≥ 700	45.3	74.7	78.0	81.3	85.9	88.3	90.2	91.1	91.1	92.0	92.4	92.4	93.0	93.0	93.0	93.0
≥ 600	45.3	74.7	78.0	81.3	86.0	88.6	90.6	91.8	92.0	92.9	93.3	93.5	94.2	94.2	94.2	94.2
≥ 500	45.3	74.7	78.0	81.3	86.0	88.9	91.2	92.6	92.7	93.8	94.2	94.4	95.2	95.2	95.2	95.2
≥ 400	45.3	74.7	78.0	81.3	86.0	89.0	91.5	93.2	93.5	94.5	94.9	95.1	96.3	96.3	96.3	96.3
≥ 300	45.3	74.7	78.0	81.3	86.0	89.2	91.7	93.6	93.9	95.1	95.7	95.8	97.6	97.8	98.1	98.1
≥ 200	45.3	74.7	78.0	81.3	86.0	89.2	91.8	93.8	94.1	95.4	96.0	96.1	98.2	98.8	99.6	99.4
≥ 100	45.3	74.7	78.0	81.3	86.0	89.2	91.8	93.8	94.1	95.4	96.0	96.1	98.2	98.8	99.6	100.0
≥ 0	45.3	74.7	78.0	81.3	86.0	89.2	91.8	93.8	94.1	95.4	96.0	96.1	98.2	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

673

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-75

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	39.3	44.7	49.5	49.9	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	45.0	56.7	57.5	57.9	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	45.0	56.9	57.6	58.1	58.9	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	45.0	56.9	57.6	58.1	58.9	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	45.0	57.3	58.1	58.6	59.3	59.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	46.7	59.3	60.1	60.6	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 10000	47.8	61.8	63.5	63.9	64.9	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	48.4	62.6	64.3	64.7	65.6	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000	48.8	64.4	66.1	66.7	68.0	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 7000	49.6	64.3	68.0	68.7	70.1	70.4	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0
≥ 6000	50.2	64.9	68.7	69.5	70.9	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.8	71.8	71.8
≥ 5000	51.8	69.3	71.2	72.1	73.8	74.3	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
≥ 4500	51.8	71.0	71.8	72.7	74.4	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3
≥ 4000	53.6	72.9	74.7	75.7	77.3	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4
≥ 3500	54.1	74.3	76.1	77.0	78.7	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8
≥ 3000	55.2	75.7	78.0	79.0	80.9	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.0	82.0
≥ 2500	55.2	76.0	78.3	79.7	81.5	82.1	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.1
≥ 2000	55.3	76.7	79.4	81.0	83.1	83.7	84.6	84.9	85.1	85.2	85.2	85.2	85.2	85.4	85.4	85.4
≥ 1800	55.3	76.7	79.4	81.0	83.4	84.0	84.9	85.2	85.4	85.5	85.5	85.5	85.5	85.7	85.7	85.7
≥ 1500	55.6	77.5	80.6	82.4	84.7	85.5	86.4	86.9	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4
≥ 1200	55.6	78.4	81.5	83.8	86.6	87.4	88.3	88.9	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4
≥ 1000	55.6	78.6	81.8	84.9	87.8	88.8	89.7	90.3	90.4	90.9	91.1	91.1	91.1	91.2	91.2	91.2
≥ 900	55.6	79.2	82.6	85.7	88.8	89.7	90.6	91.2	91.4	91.8	92.0	92.1	92.1	92.3	92.3	92.3
≥ 800	55.6	79.2	82.6	85.8	89.1	90.0	91.1	91.7	92.0	92.6	92.9	93.1	93.1	93.2	93.2	93.2
≥ 700	55.6	79.2	82.6	85.8	89.4	90.4	91.7	92.3	92.8	93.4	93.7	93.8	93.8	94.1	94.1	94.1
≥ 600	55.6	79.2	82.6	85.8	89.7	90.8	92.0	93.1	94.0	94.9	95.4	95.5	95.5	95.8	95.8	95.8
≥ 500	55.6	79.2	82.6	85.8	89.8	90.9	92.1	93.2	94.1	95.4	95.8	96.0	96.0	96.9	96.9	96.9
≥ 400	55.6	79.2	82.6	85.8	89.8	90.9	92.3	93.5	94.6	96.0	96.5	96.6	96.6	97.5	97.5	97.5
≥ 300	55.6	79.2	82.7	86.0	90.0	91.1	92.4	93.8	95.5	97.2	97.7	97.8	97.8	99.1	99.1	99.1
≥ 200	55.6	79.2	82.7	86.0	90.0	91.1	92.4	93.8	95.5	97.2	97.7	97.8	97.8	99.1	99.4	99.5
≥ 100	55.6	79.2	82.7	86.0	90.0	91.1	92.4	93.8	95.5	97.2	97.7	97.8	97.8	99.2	99.5	99.8
≥ 0	55.6	79.2	82.7	86.0	90.0	91.1	92.4	93.8	95.5	97.2	97.7	97.8	97.8	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

649

USAF ETAC

1 JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING	44.9	51.4	52.0	52.7	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	49.8	50.2	59.8	60.7	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 18000	49.8	59.2	59.8	60.7	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 16000	50.1	59.5	60.2	61.0	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000	50.2	59.7	60.3	61.1	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	51.2	60.8	61.5	62.3	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000	52.2	62.4	63.6	64.4	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	52.2	63.3	64.2	65.0	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 8000	53.7	65.4	66.5	67.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 7000	55.3	68.3	69.4	70.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	56.1	69.4	70.6	71.7	73.2	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 5000	57.4	71.4	72.6	74.0	75.4	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	57.7	73.3	74.6	75.8	77.2	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	59.0	75.3	76.7	77.9	79.5	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	59.8	76.6	78.2	79.3	81.0	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3000	60.5	77.9	80.3	81.5	83.1	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	60.5	78.5	81.0	82.1	83.9	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	60.5	79.2	81.8	83.4	85.4	85.7	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800	60.5	79.3	82.0	83.6	85.5	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	60.5	80.7	82.9	84.7	86.8	87.2	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	60.5	80.7	83.6	85.5	87.8	88.3	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	60.5	81.1	84.1	86.0	88.6	89.1	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 900	60.5	81.1	84.1	86.0	88.6	89.1	89.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	60.5	81.1	84.1	86.0	88.6	89.3	89.9	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	60.5	81.3	84.2	86.2	88.9	89.8	90.4	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	60.5	81.3	84.2	86.2	88.9	89.8	90.7	92.4	92.5	92.8	93.2	93.2	94.0	94.0	94.0	94.0
≥ 500	60.7	81.8	84.7	86.7	89.6	90.6	91.7	93.5	93.7	94.0	94.8	94.8	95.6	95.6	95.6	95.6
≥ 400	60.7	81.8	84.7	86.7	89.6	90.6	91.7	94.0	94.1	94.6	95.6	95.6	96.6	96.6	96.9	96.9
≥ 300	60.7	81.8	84.7	86.7	89.6	90.6	91.7	94.5	95.0	95.6	96.6	96.6	97.7	98.0	98.5	98.9
≥ 200	60.7	81.8	84.7	86.7	89.6	90.6	91.7	94.5	95.0	95.6	96.6	96.6	97.7	98.5	99.0	99.3
≥ 100	60.7	81.8	84.7	86.7	89.6	90.6	91.7	94.5	95.0	95.6	96.6	96.6	97.7	98.5	99.0	99.3
≥ 0	60.7	81.8	84.7	86.7	89.6	90.6	91.7	94.5	95.0	95.6	96.6	96.6	97.7	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

615

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARITTA AIRFIELD MD

71-79

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS 1-11

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	50.3	57.2	57.6	58.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9
≥ 20000	53.6	62.5	63.1	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6
≥ 18000	53.8	62.7	63.3	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8
≥ 16000	53.8	62.9	63.5	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0
≥ 14000	54.2	63.3	64.2	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 12000	55.0	64.2	65.0	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.4
≥ 10000	55.2	64.8	65.6	66.4	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.0
≥ 9000	55.2	65.4	66.2	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6
≥ 8000	55.8	65.8	66.6	67.4	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0
≥ 7000	57.0	68.0	69.7	70.7	71.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.1
≥ 6000	58.0	69.7	71.5	72.7	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.1	74.1
≥ 5000	59.7	71.5	74.3	75.6	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0
≥ 4500	59.7	71.5	74.3	76.0	76.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6
≥ 4000	61.3	74.9	78.0	79.6	80.9	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7	81.7
≥ 3500	62.7	76.6	79.6	81.3	82.5	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.3
≥ 3000	63.1	77.0	80.0	81.7	83.5	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5	84.5
≥ 2500	63.3	77.4	80.4	82.1	83.9	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9	84.9
≥ 2000	63.3	77.6	80.7	82.3	84.5	84.7	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
≥ 1800	63.3	77.6	80.7	82.3	84.5	84.7	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
≥ 1500	63.3	77.6	80.7	82.3	84.9	85.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6
≥ 1200	63.3	77.6	81.1	82.7	85.7	86.2	87.4	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.2	88.2
≥ 1000	63.3	77.6	81.1	82.7	85.7	86.2	87.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.2	89.2
≥ 900	63.3	77.6	81.1	82.9	85.9	86.6	88.6	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.2	90.2
≥ 800	63.3	77.8	81.3	83.1	86.2	87.0	89.2	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.2	91.2
≥ 700	63.3	78.4	81.9	83.9	87.0	88.0	90.2	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.9	92.9
≥ 600	63.3	78.4	81.9	83.9	87.0	88.2	90.4	92.1	92.1	92.7	93.1	93.5	93.7	93.7	93.9	93.9
≥ 500	63.3	78.4	81.9	83.9	87.4	88.6	91.0	93.7	93.7	94.3	94.7	95.1	95.3	95.3	95.5	95.5
≥ 400	63.3	78.4	81.9	83.9	87.4	88.6	91.0	93.9	93.9	94.9	95.9	96.3	97.6	97.8	98.2	98.2
≥ 300	63.3	78.4	81.9	83.9	87.4	88.6	91.2	94.1	94.1	95.1	96.1	96.5	98.0	98.2	98.6	98.6
≥ 200	63.3	78.4	81.9	83.9	87.4	88.6	91.2	94.1	94.1	95.1	96.5	96.9	98.6	99.0	99.4	99.4
≥ 100	63.3	78.4	81.9	83.9	87.4	88.6	91.2	94.3	94.3	95.3	96.7	97.1	99.0	99.2	99.6	99.8
≥ 0	63.3	78.4	81.9	83.9	87.4	88.6	91.2	94.3	94.3	95.3	96.7	97.1	99.0	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

491

USAF ETAC

FORM 44
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARETTA AIRFIELD MD
STATION NAME

71-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	51.0	56.3	56.9	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	54.1	59.6	60.2	60.7	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 18000	54.1	59.6	60.2	60.7	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	54.1	60.2	60.7	61.2	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	54.6	61.2	61.9	62.4	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	55.8	62.4	63.2	63.7	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	57.9	65.0	65.7	66.2	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	58.6	64.2	67.0	67.5	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 8000	59.4	67.8	68.5	69.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	59.6	68.0	69.3	70.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	61.2	70.1	71.3	72.3	73.4	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	63.2	73.4	74.6	75.6	76.9	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	63.2	73.4	74.6	75.6	76.9	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	65.0	75.9	77.4	78.7	80.7	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	65.2	76.6	78.2	79.4	81.5	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	65.7	77.2	78.7	79.9	82.0	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	66.0	77.4	79.2	80.5	82.5	83.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	66.0	77.9	79.7	81.0	83.0	83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	66.0	77.9	79.7	81.0	83.0	83.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500	66.2	78.2	79.9	81.2	83.8	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	66.2	78.4	80.5	82.0	84.5	85.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	66.2	78.4	80.5	82.2	85.0	85.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	66.2	78.4	80.5	82.2	85.0	85.8	87.6	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 800	66.2	78.7	80.7	83.0	85.8	87.1	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	66.2	78.7	80.7	83.2	86.5	88.6	92.1	92.4	92.4	92.6	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600	66.2	78.7	80.7	83.2	86.5	88.8	93.1	93.4	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	66.2	78.7	80.7	83.2	86.5	88.8	93.1	94.2	94.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400	66.2	78.7	80.7	83.2	86.5	88.8	93.1	94.2	94.2	95.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	66.2	78.7	80.7	83.2	86.5	88.8	93.1	94.2	94.2	95.4	97.7	97.7	98.5	98.5	98.5	98.5
≥ 200	66.2	78.7	80.7	83.2	86.5	88.8	93.1	94.2	94.2	95.4	97.7	97.7	98.7	98.7	98.7	98.7
≥ 100	66.2	78.7	80.7	83.2	86.5	88.8	93.1	94.2	94.2	95.4	97.7	97.7	98.7	98.7	99.0	99.0
≥ 0	66.2	78.7	80.7	83.2	86.5	88.8	93.1	94.2	94.2	95.4	97.7	97.7	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-71

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS 1-51

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥	≥0
NO CEILING	41.5	50.7	51.8	52.5	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7
≥ 20000	45.3	56.6	57.8	58.6	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
≥ 18000	45.3	56.6	58.1	58.9	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
≥ 16000	45.6	57.1	58.3	59.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	45.9	57.7	59.0	59.9	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
≥ 12000	47.1	59.3	60.6	61.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
≥ 10000	48.1	61.5	63.0	63.9	64.8	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.3
≥ 9000	48.4	62.0	63.6	64.5	65.4	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9
≥ 8000	49.4	64.2	65.9	66.9	68.2	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7
≥ 7000	50.5	65.9	67.8	69.0	70.4	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0
≥ 6000	51.2	67.1	69.0	70.4	71.9	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
≥ 5000	52.8	69.7	71.9	73.3	75.0	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7
≥ 4500	53.0	71.4	72.6	74.2	75.9	76.1	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6
≥ 4000	54.7	73.2	75.5	77.1	79.0	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9
≥ 3500	55.4	74.4	76.7	78.3	80.3	80.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
≥ 3000	55.8	75.3	77.9	79.5	81.7	82.2	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.1
≥ 2500	55.9	75.7	78.4	80.1	82.4	83.0	83.5	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.1
≥ 2000	56.0	76.2	79.0	80.9	83.3	84.0	84.7	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4
≥ 1800	56.0	76.3	79.0	81.0	83.5	84.2	85.0	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6
≥ 1500	56.1	76.8	79.7	81.7	84.4	85.2	86.1	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.8	86.8
≥ 1200	56.1	77.3	80.4	82.6	85.6	86.4	87.3	87.8	87.8	88.0	88.0	88.0	88.1	88.1	88.2	88.2
≥ 1000	56.1	77.6	80.7	83.2	86.3	87.2	88.3	88.9	88.9	89.2	89.4	89.4	89.5	89.5	89.5	89.5
≥ 900	56.1	77.8	81.0	83.5	86.9	87.8	88.9	89.7	89.8	90.2	90.3	90.4	90.5	90.5	90.5	90.5
≥ 800	56.1	77.9	81.1	83.8	87.2	88.3	89.9	90.7	90.8	91.3	91.4	91.5	91.6	91.6	91.6	91.6
≥ 700	56.1	78.0	81.2	83.9	87.5	88.9	90.7	91.6	91.7	92.3	92.6	92.7	93.0	93.0	93.1	93.1
≥ 600	56.1	78.0	81.2	83.9	87.6	89.1	91.1	92.3	92.6	93.3	93.7	93.9	94.3	94.3	94.4	94.4
≥ 500	56.1	78.1	81.3	84.0	87.9	89.5	91.6	93.2	93.5	94.3	94.9	95.1	95.8	95.8	95.8	95.9
≥ 400	56.1	78.1	81.3	84.0	87.9	89.5	91.7	93.7	94.0	95.0	95.8	96.0	97.0	97.1	97.2	97.2
≥ 300	56.1	78.1	81.3	84.1	87.9	89.6	91.8	94.0	94.5	95.6	96.6	96.8	98.1	98.3	98.5	98.7
≥ 200	56.1	78.1	81.3	84.1	87.9	89.6	91.9	94.0	94.6	95.7	96.7	96.9	98.4	98.8	99.1	99.4
≥ 100	56.1	78.1	81.3	84.1	87.9	89.6	91.9	94.1	94.6	95.7	96.7	96.9	98.5	98.9	99.4	99.8
≥ 0	56.1	78.1	81.3	84.1	87.9	89.6	91.9	94.1	94.6	95.7	96.7	96.9	98.5	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

3157

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	30.4	41.5	43.4	44.0	44.9	45.8	46.1	46.1	46.1	46.4	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	33.1	44.1	48.5	49.7	50.9	51.8	52.1	52.1	52.1	52.4	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	33.4	46.4	49.1	50.3	51.5	52.4	52.7	52.7	52.7	53.0	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	33.4	46.4	49.1	50.3	51.5	52.4	52.7	52.7	52.7	53.0	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	34.3	47.9	50.6	51.8	53.0	53.9	54.2	54.2	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	34.6	48.2	50.9	52.1	53.3	54.2	54.5	54.5	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	37.0	52.7	56.0	57.3	58.7	59.6	59.9	59.9	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	37.7	53.3	56.6	58.1	59.3	60.2	60.5	60.5	60.5	60.8	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	39.3	54.8	60.2	61.7	63.3	64.2	64.5	64.5	64.5	64.8	65.1	65.1	65.1	65.1	65.1	65.1
≥ 7000	40.7	58.4	62.3	63.9	65.7	66.6	66.9	66.9	66.9	67.2	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	41.6	60.2	64.2	65.7	67.3	69.0	69.3	69.3	69.3	69.6	69.9	69.9	69.9	69.9	69.9	69.9
≥ 5000	42.2	61.4	65.4	67.2	69.3	70.5	70.8	70.8	70.8	71.1	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	43.4	63.0	66.9	68.7	70.8	72.0	72.3	72.3	72.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	44.3	65.1	69.6	71.7	73.3	75.0	75.6	75.6	75.6	75.9	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	44.3	64.4	69.9	72.3	74.4	76.9	76.5	76.5	76.8	77.1	77.7	77.7	77.7	77.7	78.0	78.0
≥ 3000	44.9	64.6	71.4	74.7	76.8	79.3	78.9	78.9	79.2	79.5	80.1	80.1	80.1	80.4	80.4	80.4
≥ 2500	44.9	64.4	73.8	77.1	79.2	80.7	81.3	81.3	81.6	81.9	82.5	82.5	82.5	82.8	82.8	82.8
≥ 2000	45.2	69.3	75.0	78.3	80.4	81.9	82.5	82.5	82.8	83.1	84.0	84.0	84.0	84.3	84.3	84.3
≥ 1800	45.2	69.3	75.0	78.3	80.4	81.9	82.5	82.5	82.8	83.1	84.0	84.0	84.0	84.3	84.3	84.3
≥ 1500	45.2	69.3	75.3	78.9	81.0	82.5	83.1	83.1	83.4	84.0	84.9	84.9	84.9	85.2	85.2	85.2
≥ 1200	45.5	69.6	75.6	79.2	81.9	83.7	84.6	84.6	84.9	85.8	86.7	86.7	86.7	87.0	87.0	87.0
≥ 1000	45.5	70.2	76.5	80.4	83.4	85.2	86.1	86.1	86.4	87.3	88.6	88.6	88.6	88.9	88.9	88.9
≥ 900	45.5	70.2	76.5	80.4	83.4	85.2	86.1	86.1	86.4	87.3	88.6	88.6	88.6	88.9	88.9	88.9
≥ 800	45.5	70.2	76.5	80.7	83.7	86.1	87.0	87.0	87.3	88.6	89.8	89.8	89.8	90.1	90.1	90.1
≥ 700	45.5	70.5	76.8	81.0	84.3	87.3	88.6	88.6	88.9	89.2	90.4	91.6	91.6	91.6	91.9	91.9
≥ 600	45.8	70.8	77.4	81.6	85.5	88.6	89.7	89.7	91.6	91.9	93.4	93.4	93.4	93.7	94.0	94.0
≥ 500	45.8	70.8	77.4	81.6	85.5	88.9	89.7	89.7	91.6	91.9	93.4	93.4	93.4	93.7	94.0	94.0
≥ 400	45.8	70.8	77.4	81.6	85.5	88.9	89.7	89.7	91.6	91.9	93.4	93.4	93.4	93.7	94.0	94.0
≥ 300	45.8	70.8	77.4	81.6	85.5	89.2	91.3	91.3	92.2	93.1	94.6	97.0	97.0	97.6	97.6	97.6
≥ 200	45.8	70.8	77.4	81.6	85.5	89.2	91.3	91.3	92.2	93.1	94.6	97.0	97.0	97.9	97.9	97.9
≥ 100	45.8	70.8	77.4	81.6	85.5	89.2	91.3	91.3	92.2	93.1	94.6	97.0	97.0	97.9	97.9	97.9
≥ 0	45.8	70.8	77.4	81.6	85.5	89.2	91.3	91.3	92.2	93.1	94.6	97.0	97.0	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

337

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS, LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	32.7	42.2	45.1	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	36.0	49.3	52.6	52.7	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	36.3	49.6	52.9	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	36.3	49.6	52.9	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	36.6	50.4	53.6	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	36.9	51.0	54.3	54.7	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	40.0	55.0	58.4	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	40.8	56.3	59.7	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	42.3	56.8	62.3	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	42.5	59.2	62.6	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	43.1	62.0	65.4	66.7	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000	44.0	63.6	67.1	68.5	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	44.5	64.3	67.9	69.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	46.0	67.1	71.2	73.5	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	46.4	67.4	71.6	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	47.3	69.4	73.6	76.1	77.6	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	48.1	71.6	75.7	78.4	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2000	48.1	72.1	76.3	79.4	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	48.1	72.2	76.4	79.5	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	48.1	72.9	77.2	80.8	82.8	83.6	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200	48.1	73.2	77.5	81.1	83.7	84.5	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	48.7	74.6	78.9	82.5	85.4	86.4	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 900	48.7	74.6	79.1	82.6	85.6	86.7	87.6	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 800	48.7	74.6	79.4	82.9	86.5	88.2	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	48.7	74.6	79.5	83.1	86.8	88.8	90.1	90.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	48.7	74.7	79.6	83.6	87.8	89.8	91.2	92.4	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	48.7	74.7	79.6	83.6	88.5	90.5	92.2	93.8	94.0	94.9	95.0	95.2	95.2	95.3	95.5	95.5
≥ 400	48.7	74.7	79.8	83.6	88.5	90.7	92.7	94.6	94.7	96.0	96.6	96.9	97.4	97.5	97.7	97.7
≥ 300	48.7	74.7	79.8	83.6	88.7	91.0	93.2	95.0	95.2	96.6	97.2	97.5	98.1	98.8	98.9	98.9
≥ 200	48.7	74.7	79.8	83.6	88.7	91.0	93.2	95.0	95.2	96.6	97.7	98.0	98.6	99.2	99.5	99.5
≥ 100	48.7	74.7	79.8	83.6	88.7	91.0	93.2	95.0	95.2	96.6	97.7	98.0	98.6	99.2	99.7	99.7
≥ 0	48.7	74.7	79.8	83.6	88.7	91.0	93.2	95.0	95.2	96.6	97.8	98.1	98.8	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

645

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	38.0	45.1	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	42.1	51.7	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	42.1	51.7	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	42.3	51.9	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	42.7	52.7	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	43.1	53.4	55.0	55.2	55.5	55.5	55.5	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	44.8	56.9	58.4	58.5	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	45.6	57.9	59.3	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	46.8	61.1	61.5	62.0	62.5	62.8	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	47.0	61.5	62.9	63.4	64.2	64.7	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	47.6	64.2	65.6	66.1	66.9	67.4	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	48.9	64.2	67.7	68.5	69.4	69.9	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500	50.6	69.1	70.5	71.5	72.4	72.9	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	54.1	72.9	74.3	75.2	76.5	77.0	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	54.7	74.1	75.6	76.8	78.1	78.5	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	55.8	75.9	77.4	78.7	80.0	80.4	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	56.2	77.3	78.9	80.3	82.0	82.5	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	56.2	77.4	79.2	80.6	82.5	83.0	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800	56.2	77.9	79.7	81.1	83.0	83.4	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	56.2	78.5	80.4	82.3	84.4	84.9	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	56.2	78.5	80.4	82.5	84.7	85.2	85.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	56.2	79.2	81.5	83.9	85.8	86.6	87.2	87.5	87.5	88.0	88.0	88.0	88.0	88.2	88.2	88.2
≥ 900	56.2	79.2	81.5	83.9	86.0	86.9	87.5	87.9	87.9	88.3	88.3	88.3	88.3	88.5	88.5	88.5
≥ 800	56.2	79.5	82.2	84.5	87.4	88.6	89.3	89.6	89.7	90.2	90.4	90.4	90.4	90.5	90.5	90.5
≥ 700	56.2	79.5	82.5	84.9	88.6	90.2	91.3	92.0	92.1	92.6	92.7	92.7	92.7	92.9	92.9	92.9
≥ 600	56.2	79.5	82.5	84.9	89.1	91.0	92.1	92.9	93.2	93.8	94.2	94.2	94.2	94.3	94.3	94.3
≥ 500	56.2	79.5	83.0	85.3	90.1	92.3	93.7	95.1	95.6	96.4	97.2	97.2	97.2	97.5	97.5	97.5
≥ 400	56.2	79.5	83.0	85.3	90.1	92.3	93.8	95.3	95.9	97.0	97.8	97.8	97.8	98.1	98.1	98.1
≥ 300	56.2	79.5	83.0	85.3	90.2	92.4	94.0	95.7	96.7	98.1	99.1	99.1	99.1	99.4	99.5	99.5
≥ 200	56.2	79.5	83.0	85.3	90.2	92.4	94.0	95.7	96.7	98.4	99.5	99.5	99.5	100.0	100.0	100.0
≥ 100	56.2	79.5	83.0	85.3	90.2	92.4	94.0	95.7	96.7	98.4	99.5	99.5	99.5	100.0	100.0	100.0
≥ 0	56.2	79.5	83.0	85.3	90.2	92.4	94.0	95.7	96.7	98.4	99.5	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

634

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-76
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	40.1	45.7	46.1	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	45.5	55.0	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	45.5	55.0	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	45.7	55.1	55.5	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	47.1	56.5	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	48.2	57.9	58.1	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	50.1	59.7	60.0	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	51.1	61.3	61.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	52.7	63.7	64.0	64.7	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 7000	53.2	64.1	65.0	66.3	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	53.6	66.5	67.5	68.2	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	56.7	70.7	71.7	72.4	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	58.8	73.1	74.2	74.9	75.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	61.6	76.1	77.5	78.4	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	62.3	78.4	79.9	80.8	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	63.9	81.2	83.1	83.9	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	64.4	82.4	84.3	85.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	64.6	83.2	85.2	86.0	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800	64.6	83.4	85.3	86.2	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1500	64.7	84.3	86.4	87.3	88.0	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1200	64.9	84.6	86.9	87.8	88.5	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	65.3	85.3	87.6	88.8	89.7	89.9	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	65.3	85.3	88.0	89.4	90.2	90.4	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	65.3	85.3	88.1	89.5	90.6	91.8	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	65.3	85.3	88.1	89.9	91.4	92.5	94.1	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	65.3	85.3	88.1	89.9	92.0	93.2	95.1	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	65.3	85.3	88.3	90.1	92.5	93.9	96.0	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	65.3	85.3	88.3	90.1	92.5	93.9	96.2	98.3	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	65.3	85.3	88.3	90.1	92.5	94.1	96.3	98.6	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	65.3	85.3	88.3	90.1	92.5	94.1	96.3	98.6	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	65.3	85.3	88.3	90.1	92.5	94.1	96.3	98.6	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	65.3	85.3	88.3	90.1	92.5	94.1	96.3	98.6	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

573

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-73

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥16	≥4	≥0
NO CEILING	45.8	51.6	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.5	52.5
≥ 20000	51.6	59.7	59.6	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9
≥ 18000	51.6	59.7	59.6	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9
≥ 16000	51.6	59.7	59.6	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9
≥ 14000	52.0	60.0	60.5	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.8
≥ 12000	54.0	62.4	63.6	64.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.2	65.2
≥ 10000	57.4	67.6	67.6	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0
≥ 9000	57.4	67.6	68.5	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.9	69.9
≥ 8000	61.6	73.0	74.1	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4	75.4
≥ 7000	62.1	74.3	75.4	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8
≥ 6000	62.9	75.7	76.8	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.6
≥ 5000	63.6	77.9	79.0	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.8
≥ 4500	65.0	79.0	80.1	81.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7	81.9
≥ 4000	67.6	81.9	83.3	84.2	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.3
≥ 3500	67.9	82.9	83.3	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.1	87.3
≥ 3000	68.3	84.3	86.6	87.9	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.8	89.1
≥ 2500	69.2	85.6	88.4	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.6
≥ 2000	70.1	87.9	90.2	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.4
≥ 1800	70.1	88.2	90.6	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.9
≥ 1500	70.1	88.2	90.6	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.3
≥ 1200	70.1	88.8	91.5	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.8	94.0
≥ 1000	70.1	88.8	91.5	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.8	94.0
≥ 900	70.1	88.8	91.5	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.8	94.0
≥ 800	70.1	88.8	91.5	93.1	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.9
≥ 700	70.1	88.8	91.5	93.1	94.2	94.4	94.4	94.6	94.6	94.9	94.9	94.9	94.9	94.9	95.1	95.3
≥ 600	70.1	88.8	91.5	93.1	94.6	94.9	95.1	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.2	96.4
≥ 500	70.1	88.8	91.5	93.2	95.3	95.5	96.2	96.9	97.1	98.0	98.0	98.0	98.0	98.0	98.2	98.4
≥ 400	70.1	88.8	91.5	93.3	95.3	95.5	96.2	96.9	97.1	98.2	98.2	98.2	98.2	98.2	98.4	98.7
≥ 300	70.1	88.8	91.5	93.3	95.3	95.5	96.2	97.5	97.8	98.9	98.9	98.9	98.9	98.9	99.1	99.6
≥ 200	70.1	88.8	91.5	93.3	95.3	95.5	96.2	97.5	97.8	98.9	98.9	98.9	98.9	98.9	99.1	99.6
≥ 100	70.1	88.8	91.5	93.3	95.3	95.5	96.2	97.5	97.8	98.9	98.9	98.9	98.9	98.9	99.1	99.6
≥ 0	70.1	88.8	91.5	93.3	95.3	95.5	96.2	97.5	97.8	98.9	98.9	98.9	98.9	98.9	99.1	99.6

TOTAL NUMBER OF OBSERVATIONS

448

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	57.7	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	60.6	66.7	67.2	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1
≥ 18000	61.2	67.2	67.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7
≥ 16000	61.2	67.2	67.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7
≥ 14000	63.5	69.6	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0
≥ 12000	64.6	71.6	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0
≥ 10000	67.0	74.8	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.2
≥ 9000	67.5	76.5	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0
≥ 8000	69.3	79.1	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.6
≥ 7000	70.1	80.3	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.7
≥ 6000	71.9	82.0	82.6	82.9	83.2	83.2	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.8
≥ 5000	73.6	84.6	85.2	85.5	85.8	85.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.4
≥ 4500	73.6	84.9	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.7
≥ 4000	74.5	86.1	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.8
≥ 3500	74.5	87.8	88.4	88.7	89.0	89.6	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	90.1
≥ 3000	75.1	89.0	90.1	90.4	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.9
≥ 2500	75.4	89.6	91.0	91.3	92.2	92.2	92.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.8
≥ 2000	75.9	90.4	91.4	92.2	93.0	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.6
≥ 1800	75.9	90.4	91.9	92.2	93.0	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.6
≥ 1500	75.9	91.0	93.0	93.3	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.8
≥ 1200	75.9	91.0	93.0	93.3	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.8
≥ 1000	75.9	91.3	93.3	93.6	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	95.1
≥ 900	75.9	91.3	93.3	93.6	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	95.1
≥ 800	75.9	91.3	93.3	93.6	94.5	94.8	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.7
≥ 700	75.9	91.3	93.3	93.6	94.5	95.1	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.9
≥ 600	75.9	91.6	93.6	94.2	95.4	95.9	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	97.1
≥ 500	75.9	91.6	93.6	94.5	95.7	96.5	97.1	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.3
≥ 400	75.9	91.6	93.6	94.5	95.7	96.5	97.1	97.4	97.4	98.0	98.3	98.3	98.3	98.3	98.3	98.6
≥ 300	75.9	91.6	93.6	94.5	95.7	96.5	97.1	97.4	97.4	98.0	98.6	98.6	98.6	98.6	98.6	98.9
≥ 200	75.9	91.6	93.6	94.5	95.7	96.5	97.1	97.4	97.4	98.0	98.6	98.6	98.6	98.6	98.6	98.9
≥ 100	75.9	91.6	93.6	94.5	95.7	96.5	97.1	97.4	97.4	98.3	98.8	98.8	98.8	98.8	98.8	99.1
≥ 0	75.9	91.6	93.6	94.5	95.7	96.5	97.1	97.4	97.4	98.3	98.8	98.8	98.8	98.8	98.8	99.1

TOTAL NUMBER OF OBSERVATIONS

345

USAF ETAC

54

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-76

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 1	≥ 0
NO CEILING	39.9	47.2	48.3	48.6	48.8	48.9	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	44.0	54.0	55.4	55.8	56.2	56.3	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	44.2	54.2	55.5	56.0	56.4	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	44.2	54.3	55.7	56.1	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8
≥ 14000	45.1	55.4	56.9	57.3	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 12000	45.9	56.8	58.3	58.8	59.2	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 10000	48.4	60.2	61.8	62.4	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	49.1	61.3	63.0	63.6	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3
≥ 8000	51.0	64.1	66.1	66.8	67.3	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.8
≥ 7000	51.5	65.8	67.3	68.1	68.7	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.2
≥ 6000	52.2	67.5	69.4	70.3	71.0	71.3	71.4	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.7
≥ 5000	53.7	69.9	71.8	72.8	73.6	73.9	74.0	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.3
≥ 4500	54.9	71.5	73.4	74.4	75.3	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9
≥ 4000	57.1	74.3	76.5	77.8	78.7	79.1	79.3	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.6	79.7
≥ 3500	57.5	75.6	77.9	79.2	80.3	80.7	80.9	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.2	81.2
≥ 3000	58.4	77.4	79.9	81.5	82.6	83.0	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.5
≥ 2500	58.9	79.9	81.5	83.1	84.4	84.8	85.0	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.3	85.3
≥ 2000	59.2	79.8	82.4	84.1	85.4	85.8	86.0	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.4
≥ 1800	59.2	80.3	82.6	84.3	85.7	86.1	86.3	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.7
≥ 1500	59.2	80.3	83.3	85.3	86.7	87.2	87.5	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	88.0
≥ 1200	59.3	80.6	83.6	85.7	87.3	87.8	88.3	88.4	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.9
≥ 1000	59.5	81.2	84.5	86.6	88.3	89.0	89.5	89.7	89.7	90.0	90.1	90.1	90.1	90.2	90.2	90.3
≥ 900	59.5	81.2	84.6	86.7	88.5	89.3	89.8	90.0	90.1	90.3	90.5	90.5	90.5	90.5	90.6	90.6
≥ 800	59.5	81.3	84.8	87.1	89.3	90.4	91.2	91.4	91.5	91.8	92.0	92.0	92.0	92.0	92.1	92.1
≥ 700	59.5	81.3	84.9	87.3	89.9	91.2	92.2	92.6	92.7	93.1	93.3	93.3	93.4	93.4	93.4	93.5
≥ 600	59.5	81.4	85.1	87.5	90.5	92.0	93.2	94.1	94.2	94.7	94.9	94.9	95.0	95.0	95.0	95.1
≥ 500	59.5	81.5	85.2	87.7	91.2	92.9	94.3	95.5	95.7	96.5	96.9	96.9	97.0	97.1	97.1	97.2
≥ 400	59.5	81.5	85.2	87.7	91.2	92.9	94.4	95.8	96.1	97.1	97.6	97.8	98.1	98.1	98.2	98.3
≥ 300	59.5	81.5	85.2	87.7	91.2	93.1	94.7	96.2	96.6	97.8	98.5	98.8	98.8	99.1	99.2	99.3
≥ 200	59.5	81.5	85.2	87.7	91.2	93.1	94.7	96.2	96.6	97.9	98.7	98.8	99.2	99.4	99.6	99.7
≥ 100	59.5	81.5	85.2	87.7	91.2	93.1	94.7	96.2	96.6	97.9	98.8	98.8	99.2	99.5	99.7	99.9
≥ 0	59.5	81.5	85.2	87.7	91.2	93.1	94.7	96.2	96.6	97.9	98.8	98.9	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2974

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	40.5	52.7	55.0	55.6	56.2	56.2	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	42.9	54.5	60.1	60.7	61.5	61.8	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	43.5	57.7	61.2	61.8	62.7	63.0	63.3	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	43.5	57.7	61.2	61.8	62.7	63.0	63.3	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	43.8	59.0	61.5	62.7	63.6	63.9	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	44.7	59.8	63.9	65.1	66.0	66.3	66.6	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	46.7	64.5	68.6	69.8	70.7	71.0	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	47.9	66.0	70.1	71.3	72.2	72.5	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000	48.8	68.3	72.5	73.7	74.6	74.9	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	48.8	69.8	74.3	75.4	76.3	76.6	76.9	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	49.4	71.0	75.4	76.9	78.1	78.4	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	50.6	74.0	78.4	79.9	81.4	81.7	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	50.9	74.9	79.3	80.8	82.2	82.5	82.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	52.7	77.8	82.2	84.0	85.5	85.8	86.1	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500	53.3	79.4	83.7	85.5	87.0	87.3	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 3000	54.4	81.4	85.8	87.6	89.5	89.8	90.2	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	55.3	83.1	87.6	89.8	91.4	91.7	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	55.6	84.0	88.5	90.8	92.6	92.9	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	55.6	84.0	88.5	90.8	92.6	92.9	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	55.6	84.3	88.8	91.1	92.9	93.5	94.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	55.6	84.6	89.1	91.4	93.5	94.1	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	55.6	84.9	89.3	91.7	93.8	94.4	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	55.6	84.9	89.3	92.0	94.1	94.7	95.3	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	55.6	84.9	89.3	92.0	94.4	95.0	95.6	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	55.6	84.9	89.3	92.0	94.7	95.3	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	55.6	85.2	89.6	92.3	95.0	95.9	97.3	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	55.6	85.2	89.6	92.3	95.3	96.2	97.6	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	55.6	85.2	89.6	92.3	95.3	96.4	97.9	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	55.6	85.2	89.6	92.3	95.3	96.4	97.9	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	55.6	85.2	89.6	92.3	95.3	96.4	97.9	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	55.6	85.2	89.6	92.3	95.3	96.4	97.9	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	55.6	85.2	89.6	92.3	95.3	96.4	97.9	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

338

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-73
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	44.0	54.1	55.7	56.2	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	47.3	59.6	61.5	62.0	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 18000	47.5	60.2	62.2	62.5	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	47.5	60.2	62.2	62.4	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000	48.0	61.0	63.0	63.4	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	48.6	62.1	65.2	65.9	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	49.4	62.8	67.6	68.3	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	50.1	64.2	68.5	68.9	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	50.9	67.6	70.0	70.7	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000	51.5	70.0	72.6	73.3	74.1	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	53.0	72.0	74.7	75.4	76.2	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	54.3	74.6	77.6	78.3	79.4	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4500	54.9	74.8	78.9	79.5	80.7	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4000	57.2	79.7	82.0	83.4	84.5	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	58.0	80.8	83.9	84.5	85.7	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	58.9	82.3	85.7	86.3	87.6	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	60.2	83.9	87.3	87.9	89.2	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	60.2	84.1	87.4	88.2	89.7	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	60.2	84.4	87.8	88.6	90.2	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	60.2	85.2	88.7	89.7	91.6	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	60.4	85.8	89.7	90.7	92.6	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	60.4	86.0	90.2	91.1	93.7	94.5	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	60.4	84.2	90.5	91.5	94.0	94.8	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	60.4	86.2	90.5	91.5	94.0	94.8	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	60.4	86.2	90.5	91.5	94.2	95.0	95.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	60.4	86.3	90.7	91.6	94.7	96.0	97.1	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	60.4	86.3	90.8	91.8	95.0	96.6	97.9	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	60.4	86.3	90.8	91.8	95.0	96.6	97.9	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	60.4	86.3	90.8	91.8	95.2	96.9	97.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	60.4	86.3	90.8	91.8	95.2	96.9	97.4	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	60.4	86.3	90.8	91.8	95.2	96.9	97.4	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	60.4	86.3	90.8	91.8	95.2	96.9	97.4	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

621

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARITTA AIRFIELD MD

71-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LTST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥	≥0
NO CEILING	44.8	54.4	54.5	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	50.6	61.8	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 18000	50.6	61.8	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 16000	50.6	62.0	62.3	62.5	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	50.8	62.1	62.5	62.8	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	51.9	63.8	64.1	64.2	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	53.2	66.0	66.3	66.5	66.8	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	53.4	66.2	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000	54.0	68.1	68.4	68.6	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 7000	54.7	69.3	69.6	70.1	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	55.7	71.1	71.4	71.8	72.5	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 5000	57.8	74.3	74.8	75.4	76.1	76.1	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4500	59.5	76.5	77.0	77.7	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	63.8	81.6	82.2	83.0	83.7	83.7	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	65.0	84.5	84.1	85.0	85.6	85.6	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000	66.7	85.8	86.6	87.5	88.0	88.2	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	67.2	86.7	87.7	89.0	90.6	90.8	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	67.2	86.9	88.0	89.3	90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	67.2	86.9	88.0	89.3	90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500	67.3	87.9	89.3	90.6	92.9	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	67.5	88.5	90.1	91.6	94.2	94.7	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	67.8	89.0	90.9	92.4	95.5	96.1	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	67.8	89.2	91.1	92.6	95.6	96.3	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	67.9	89.2	91.1	92.6	95.6	96.3	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	67.8	89.2	91.1	92.6	95.6	96.3	96.8	96.9	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	67.9	89.2	91.1	92.6	95.8	96.8	97.4	97.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	67.8	89.2	91.1	92.6	95.8	96.9	97.9	98.2	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	67.8	89.2	91.1	92.6	95.8	97.2	98.2	98.5	98.7	99.2	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	67.8	89.2	91.1	92.6	95.6	97.4	98.4	98.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	67.8	89.2	91.1	92.6	95.8	97.4	98.4	98.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	67.9	89.2	91.1	92.6	95.8	97.4	98.4	98.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	67.9	89.2	91.1	92.6	95.8	97.4	98.4	98.7	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

618

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	49.1	55.8	55.6	56.1	56.1	54.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 2000	56.1	62.3	63.3	63.5	63.8	62.8	62.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1800	56.3	62.5	63.6	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1600	56.3	63.8	64.0	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1400	56.6	64.2	64.3	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1200	57.7	65.4	65.6	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1000	58.6	67.7	67.8	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 900	58.6	67.8	68.0	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 800	60.5	70.3	70.5	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 700	61.5	72.4	72.6	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 600	62.6	73.4	73.6	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 500	66.3	77.8	78.0	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	68.4	80.4	80.6	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	72.4	85.3	85.7	86.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	73.1	86.5	86.9	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	74.1	88.1	88.6	89.2	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	74.7	89.2	89.7	90.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	74.8	89.5	90.2	90.7	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800	75.7	90.4	91.1	91.6	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	75.9	91.1	91.6	92.3	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	75.9	91.6	92.8	93.5	95.1	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	75.9	91.6	93.4	94.1	96.3	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	75.9	91.6	93.4	94.1	96.3	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	75.9	91.6	93.5	94.2	96.5	97.4	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	75.9	91.8	93.7	94.6	96.9	97.9	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

572

GLOBAL CLIMATELOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS 1-1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	52.3	56.9	57.8	57.8	57.0	57.8	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	60.0	65.1	65.9	65.9	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 18000	60.0	65.1	65.9	65.9	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 16000	60.0	65.1	65.9	65.9	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 14000	60.7	65.7	66.6	66.6	66.6	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 12000	62.4	67.9	69.2	69.2	69.2	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 10000	66.4	73.0	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000	66.6	73.6	74.9	74.9	74.9	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 8000	68.6	75.6	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	70.1	78.0	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 6000	71.6	79.6	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	75.4	83.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4500	76.3	84.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	77.6	86.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	77.8	87.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	77.8	87.9	89.9	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	78.7	89.7	91.9	92.1	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	78.9	91.0	93.2	93.4	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	78.9	91.0	93.2	93.4	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500	79.1	92.1	94.3	94.5	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	79.1	92.7	94.9	95.2	95.6	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	79.1	93.0	95.2	95.4	96.5	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	79.1	93.0	95.2	95.4	96.5	96.9	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	79.1	93.0	95.2	95.4	96.5	96.9	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	79.1	93.0	95.2	95.4	96.5	96.9	97.1	97.4	97.6	97.8	98.0	98.2	98.2	98.2	98.2	98.2
≥ 600	79.1	93.0	95.2	95.4	96.5	96.9	97.1	97.4	97.6	97.8	98.0	98.2	98.2	98.2	98.2	98.2
≥ 500	79.1	93.0	95.4	95.6	96.9	97.8	98.0	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	79.1	93.0	95.4	95.6	96.9	97.8	98.0	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	79.1	93.0	95.4	95.6	96.9	97.8	98.0	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	79.1	93.0	95.4	95.6	96.9	97.8	98.0	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	79.1	93.0	95.4	95.6	96.9	97.8	98.0	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	79.1	93.0	95.4	95.6	96.9	97.8	98.0	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

455

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-76
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	60.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 20000	63.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	63.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	63.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	64.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 12000	66.8	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	71.1	74.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 9000	71.4	74.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	72.3	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 7000	74.8	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000	75.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	78.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4500	79.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	80.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	80.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	81.2	89.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	83.1	91.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	83.1	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	83.1	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	83.1	93.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	83.1	93.5	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	83.1	93.8	96.0	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	83.1	93.8	96.0	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	83.1	94.2	96.6	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0	83.1	94.2	96.6	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS

325

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-76

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOLPLY OBSERVATIONS)

ALL
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	47.8	55.9	56.7	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	53.0	62.2	63.2	63.5	63.6	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 18000	53.1	62.4	63.3	63.4	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 16000	53.1	62.6	63.7	64.0	64.3	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	53.3	64.1	64.1	64.5	64.6	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	54.3	65.0	66.2	66.5	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000	56.8	66.4	69.6	69.9	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	57.1	66.8	70.1	70.4	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 8000	58.3	70.7	72.0	72.4	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	59.3	72.7	74.1	74.6	75.1	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 6000	60.4	74.2	75.7	76.2	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	62.9	77.7	79.3	79.3	80.5	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	64.1	79.4	81.0	81.5	82.2	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	66.8	83.7	84.7	85.3	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	67.4	84.1	85.3	85.4	87.1	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	68.4	85.7	87.6	88.3	89.3	89.5	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	69.4	87.2	89.2	90.0	91.1	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	69.5	87.7	89.9	90.7	91.3	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	69.6	88.0	90.1	91.0	92.1	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	69.7	88.8	91.1	91.9	93.3	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	69.8	89.3	91.8	92.8	94.3	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	69.9	89.6	92.3	93.3	95.4	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	69.9	89.6	92.4	93.4	95.6	96.0	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	69.9	89.7	92.5	93.5	95.7	96.3	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	69.9	89.7	92.5	93.7	95.9	96.6	97.1	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	69.9	89.8	92.6	93.7	96.0	97.0	97.6	97.9	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	69.9	89.8	92.7	93.8	96.2	97.2	98.0	98.3	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	69.9	89.8	92.7	93.8	96.2	97.3	98.1	98.8	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	69.9	89.8	92.7	93.8	96.2	97.4	98.2	99.0	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	69.9	89.8	92.7	93.8	96.2	97.4	98.2	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	69.9	89.8	92.7	93.8	96.2	97.4	98.2	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	69.9	89.8	92.7	93.8	96.2	97.4	98.2	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2936

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARETTA AIRFIELD MD

71-76

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	21.3	36.5	41.0	42.8	44.7	44.7	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	23.8	42.0	47.1	49.0	50.8	50.8	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	23.8	42.2	47.3	49.4	51.2	51.2	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	23.8	42.2	47.3	49.4	51.2	51.2	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	23.8	42.2	47.3	49.4	51.2	51.2	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	24.4	43.6	49.0	51.0	52.4	52.4	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	25.6	47.3	52.9	55.5	57.6	57.6	58.6	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	26.2	48.2	53.7	56.4	58.6	58.6	59.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000	26.2	50.0	55.9	58.5	61.3	61.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	27.0	52.0	58.0	60.7	63.3	63.3	64.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	27.3	52.7	58.6	61.3	63.9	63.9	64.1	65.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 5000	28.1	54.2	60.2	62.9	65.8	65.8	66.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	28.9	55.7	61.7	64.5	67.2	67.2	68.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	29.3	55.8	62.9	66.7	68.6	68.6	69.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	30.3	58.0	64.1	67.4	70.5	71.1	72.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	30.7	58.2	65.6	69.1	72.1	73.0	74.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2500	30.7	59.4	66.0	70.1	73.2	74.2	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2000	30.9	59.6	66.2	70.3	73.6	75.0	76.0	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	30.9	59.8	66.8	71.3	74.6	76.0	77.0	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	31.1	60.2	67.2	71.7	75.4	77.3	78.3	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1200	31.1	61.5	67.8	72.3	76.4	78.5	79.5	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1000	31.4	61.9	68.4	73.2	77.7	80.5	81.4	82.8	82.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 900	31.4	61.1	68.9	74.0	78.5	81.4	82.2	83.6	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 800	31.4	61.3	69.9	75.8	80.9	84.2	85.2	86.1	86.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	31.4	61.5	70.1	76.6	82.2	85.5	87.7	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 600	31.6	62.1	70.7	77.9	84.0	87.7	91.0	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 500	31.6	62.3	71.3	78.7	85.0	89.3	91.8	94.9	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	31.6	62.3	71.3	78.7	85.2	89.5	92.2	96.9	96.9	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	31.6	62.3	71.3	78.7	85.2	89.5	92.4	97.1	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	31.6	62.3	71.3	78.7	85.2	89.5	92.4	97.1	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	31.6	62.3	71.3	78.7	85.2	89.5	92.4	97.1	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	31.6	62.3	71.3	78.7	85.2	89.5	92.4	97.1	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744 MARTIN MARETTA AIRFIELD MD

71-7

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	26.6	40.2	43.1	45.0	45.0	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	29.0	44.4	47.7	49.8	50.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000	29.0	44.4	47.7	49.8	50.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000	29.0	44.4	47.7	49.8	50.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	29.0	44.4	47.7	49.8	50.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	29.0	44.4	47.7	49.8	50.6	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	30.4	47.2	50.6	52.6	53.4	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000	31.5	50.6	54.2	56.2	57.2	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	31.7	51.2	54.8	56.9	57.6	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	32.6	53.5	57.2	59.7	60.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000	32.2	53.5	59.2	61.7	62.8	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 5000	34.2	54.7	60.3	62.8	63.9	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 4500	34.6	55.3	62.5	65.0	66.1	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4000	35.9	60.2	64.4	66.9	68.0	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 3500	38.1	62.8	67.6	70.2	71.8	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3000	38.7	64.1	69.0	72.0	74.2	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 2500	39.2	65.0	69.9	72.9	75.1	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2000	39.7	65.8	71.0	74.0	76.4	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1800	39.8	66.5	71.7	74.8	77.5	79.2	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1500	39.8	67.6	73.1	76.5	79.5	81.7	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1200	39.8	67.9	74.5	78.6	81.9	84.1	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	40.0	68.8	75.4	79.8	83.5	85.7	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	40.0	69.4	77.0	81.7	85.5	87.7	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 800	40.0	70.1	78.3	83.3	87.2	89.9	91.2	91.7	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	40.0	70.1	78.3	83.5	87.6	90.2	91.5	92.0	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600	40.0	70.4	78.7	84.4	88.7	91.5	92.4	94.0	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 500	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 400	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 200	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 0	40.0	70.7	79.1	85.0	89.4	93.4	95.3	96.2	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

635

USAF ETAC

FORM
01-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARETTA AIRFIELD MD

71-73

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.9	42.7	45.0	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	31.6	46.5	46.9	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 18000	31.8	46.6	49.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 16000	31.8	46.6	49.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 14000	31.8	47.3	49.7	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	32.6	48.4	51.0	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 10000	34.7	52.2	54.8	56.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 9000	35.1	53.0	55.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 8000	36.7	55.9	59.1	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	37.4	57.7	60.9	62.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 6000	37.7	58.3	61.7	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 5000	39.2	61.3	65.0	66.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 4500	40.9	63.7	67.6	69.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 4000	43.8	68.5	72.5	74.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 3500	44.2	69.8	74.1	76.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 3000	45.4	72.8	77.6	80.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2500	45.5	73.2	78.4	81.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	45.8	74.6	80.4	83.1	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	46.0	74.9	81.0	83.7	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	46.2	75.7	81.9	84.8	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	46.6	76.5	83.7	86.6	89.3	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1000	46.6	77.6	85.0	88.2	91.2	91.7	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	46.6	77.6	85.0	88.5	91.5	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 800	46.6	77.6	85.0	88.5	92.5	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700	46.6	77.8	85.3	89.0	93.3	94.1	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	46.6	78.3	85.8	89.5	93.8	94.6	95.5	95.8	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2
IV 500	46.6	78.6	86.1	90.3	94.9	95.8	97.0	97.9	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	46.6	78.6	86.1	90.3	94.9	96.0	97.4	97.9	98.9	98.9	99.4	99.5	99.7	99.7	99.7	99.7
IV 300	46.6	78.6	86.1	90.3	94.9	96.0	97.4	98.9	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8
IV 200	46.6	78.6	86.1	90.3	94.9	96.0	97.4	98.9	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8
IV 100	46.6	78.6	86.1	90.3	94.9	96.0	97.4	98.9	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8
0	46.6	78.6	86.1	90.4	95.0	96.2	97.6	99.0	99.0	99.5	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

626

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93746

MARTIN MARIETTA AIRFIELD MD

71-74

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	32.5	42.3	44.0	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 18000	35.6	47.9	49.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	35.6	48.1	49.9	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 14000	36.2	48.0	51.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	37.7	50.6	52.9	54.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 10000	38.8	52.3	54.5	56.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	39.5	53.2	55.5	57.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 8000	41.4	56.4	59.0	61.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 7000	42.7	59.0	62.0	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 6000	43.4	60.9	64.2	66.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 5000	45.1	64.6	68.1	70.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4500	46.0	66.2	69.8	71.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	46.6	71.1	74.6	76.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3500	49.4	72.2	76.2	78.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	50.6	74.6	79.4	81.4	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	50.6	75.9	80.9	83.5	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	50.8	75.8	82.4	85.5	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800	51.2	77.2	82.9	86.3	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1500	51.6	78.1	84.2	87.8	89.6	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1200	51.9	79.2	85.9	89.4	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	52.1	79.4	86.3	90.0	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	52.1	79.4	86.3	90.0	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	52.1	79.4	86.3	90.0	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	52.1	79.4	86.3	90.0	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600	52.1	79.4	86.3	90.0	92.6	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 500	52.1	80.1	87.2	91.5	95.5	95.5	97.2	97.8	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	52.1	80.3	87.4	91.7	95.7	95.7	97.0	98.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	52.1	80.3	87.4	91.7	95.7	95.7	97.0	98.5	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	52.1	80.3	87.4	91.7	95.7	95.7	97.0	98.5	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	52.1	80.3	87.4	91.7	95.7	95.7	97.0	98.5	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	52.1	80.3	87.4	91.7	95.7	95.7	97.0	98.5	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

539

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAA

CEILING VERSUS VISIBILITY

93744

MARTIN MARETTA AIRFIELD MD

71-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	40.5	45.6	48.0	49.4	50.2	50.2	51.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 18000	44.9	51.8	54.2	56.0	56.4	56.4	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 16000	45.1	52.0	54.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	45.1	52.0	54.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	45.1	52.0	54.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 10000	47.8	57.1	60.4	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 9000	48.2	57.7	61.5	63.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 8000	49.1	58.5	63.3	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 7000	50.0	62.8	66.8	69.2	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 6000	51.3	65.0	69.0	71.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 5000	53.8	69.9	73.9	76.3	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	53.8	69.9	74.1	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	54.6	72.3	77.2	79.5	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	54.6	72.3	77.9	80.3	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	54.9	73.2	79.6	83.2	84.7	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	55.1	73.7	80.2	83.8	85.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2000	55.8	75.2	81.9	85.6	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	56.6	76.1	82.7	86.7	88.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	56.9	77.2	84.3	88.7	90.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	57.1	77.4	84.7	89.2	91.2	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	57.5	78.1	85.4	90.1	92.7	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	57.5	78.3	86.1	90.7	93.4	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 800	57.5	78.5	86.3	90.9	94.1	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	57.5	78.5	86.3	91.2	94.5	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 600	57.5	78.5	86.5	91.4	95.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 500	57.5	78.5	86.7	91.6	95.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	57.5	78.5	86.9	92.0	96.0	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	57.5	78.5	86.9	92.1	96.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	57.5	78.5	86.9	92.1	96.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	57.5	78.5	86.9	92.1	96.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	57.5	78.5	86.9	92.1	96.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

452

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-76

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING > 20000	47.2	50.5	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.7
IV 18000	48.1	52.9	55.1	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.0
IV 16000	48.1	53.7	56.0	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.4
IV 14000	48.1	53.7	56.0	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.4
IV 12000	48.6	54.2	56.5	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.9
IV 10000	50.5	56.5	58.0	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.2
IV 9000	52.3	57.7	62.5	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.9
IV 8000	53.2	61.6	64.4	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7
IV 7000	55.1	62.9	66.7	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.1
IV 6000	56.0	64.3	67.0	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	69.0
IV 5000	56.0	64.8	67.6	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	69.0
IV 4500	58.3	69.0	72.2	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.6
IV 4000	58.3	69.9	73.1	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5
IV 3500	59.7	73.1	76.4	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.2
IV 3000	62.0	75.5	78.7	79.2	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.6
IV 2500	63.4	77.3	81.0	81.4	81.8	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.8
IV 2000	63.9	78.2	81.9	82.4	82.8	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.8
IV 1800	64.4	78.7	82.9	83.4	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.8
IV 1500	64.4	78.7	82.9	83.4	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.8
IV 1200	65.7	81.5	87.5	88.0	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.4
IV 1000	65.7	81.5	87.5	88.0	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.4
IV 900	65.7	81.5	87.5	88.0	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.4
IV 800	65.7	81.5	87.5	88.0	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.4
IV 700	65.7	82.4	89.8	90.3	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.7
IV 600	65.7	82.4	89.8	90.3	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.7
IV 500	65.7	82.4	89.8	90.3	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.7
IV 400	65.7	82.4	89.8	90.3	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.7
IV 300	65.7	82.9	90.3	90.8	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.2
IV 200	65.7	82.9	90.3	90.8	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.2
IV 100	65.7	82.9	90.3	90.8	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.2
IV 0	65.7	82.9	90.3	90.8	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.2

TOTAL NUMBER OF OBSERVATIONS

216

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

92766 MARTIN MARIETTA AIRFIELD MD

71-76

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 14	≥ 0
NO CEILING	31.1	42.1	44.8	46.3	47.1	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5
≥ 20000	33.7	46.8	49.8	51.4	52.2	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	33.8	47.0	50.0	51.7	52.5	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 16000	33.8	47.0	50.0	51.7	52.5	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 14000	33.9	47.4	50.5	52.3	53.1	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	35.2	43.4	52.5	54.3	55.1	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	36.5	52.4	55.7	57.7	58.8	59.0	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	37.0	53.2	56.6	58.4	59.7	59.9	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	38.2	55.6	59.3	61.4	62.7	62.9	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	39.0	57.3	61.6	63.7	65.0	65.3	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
≥ 6000	39.7	59.0	62.9	65.1	66.3	66.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥ 5000	41.1	62.0	66.1	68.3	69.6	69.9	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	42.0	63.5	67.7	69.9	71.2	71.5	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	43.9	66.7	71.2	73.4	74.9	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
≥ 3500	44.5	67.7	72.4	74.7	76.2	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 3000	45.2	69.4	74.7	77.6	79.6	80.2	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	45.5	70.1	75.5	78.7	80.8	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	45.8	71.0	76.6	80.1	82.4	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	46.1	71.5	77.4	80.9	83.3	84.1	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥ 1500	46.4	72.4	78.6	82.3	84.8	85.8	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7
≥ 1200	46.6	73.0	79.9	83.8	86.6	87.7	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.8
≥ 1000	46.8	73.6	80.7	84.8	88.0	89.3	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.7
≥ 900	46.8	73.9	81.2	85.4	88.9	90.1	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6
≥ 800	46.8	74.1	81.8	86.4	90.1	91.5	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.3
≥ 700	46.8	74.2	82.0	86.7	90.8	92.4	93.5	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 600	46.8	74.5	82.4	87.3	91.6	93.3	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.6
≥ 500	46.8	74.8	82.7	87.9	92.4	94.4	95.0	97.1	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	46.8	74.9	82.8	88.1	92.7	94.9	95.9	98.2	98.3	98.4	99.2	99.6	99.7	99.8	99.8	99.9
≥ 300	46.8	74.9	82.8	88.1	92.7	94.9	97.0	98.3	98.4	99.2	99.6	99.7	99.8	99.8	99.8	99.9
≥ 200	46.8	74.9	82.8	88.1	92.7	94.9	97.0	98.3	98.4	99.2	99.6	99.7	99.8	99.8	99.8	99.9
≥ 100	46.8	74.9	82.8	88.1	92.7	94.9	97.0	98.3	98.4	99.2	99.6	99.7	99.8	99.8	99.8	99.9
≥ 0	46.8	74.9	82.8	88.1	92.7	95.0	97.0	98.3	98.4	99.3	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2956

GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744 MARTIN LARIETTA AIRFIELD MD

71-70

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	21.8	36.2	41.8	45.4	47.9	49.6	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	22.2	38.3	44.1	48.7	51.7	53.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	22.2	38.3	44.1	48.7	51.7	53.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	22.2	38.3	44.1	48.7	51.7	53.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	22.4	37.7	44.6	49.2	52.1	54.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	22.8	40.2	46.0	50.6	53.6	55.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	24.3	41.6	49.2	54.4	57.5	59.4	60.7	60.7	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	24.5	41.8	49.4	55.2	58.6	60.5	61.7	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	25.3	44.1	51.9	57.9	61.5	63.6	64.9	64.9	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	25.5	44.6	52.3	58.6	62.3	64.4	65.7	65.7	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	25.7	45.2	54.0	60.3	64.2	66.3	67.6	67.6	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	26.6	47.9	55.9	62.6	67.2	69.2	70.5	70.5	70.9	71.1	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	26.6	47.9	55.9	62.6	67.2	69.2	70.5	70.5	70.9	71.1	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	27.0	49.2	57.1	63.8	68.6	70.7	72.2	72.4	72.6	73.0	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500	27.2	49.8	57.7	64.9	69.9	72.2	73.8	74.1	74.1	74.7	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	27.8	50.4	58.4	65.9	71.3	74.3	75.9	76.2	76.2	76.8	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2500	28.5	51.0	59.6	67.2	72.6	75.5	77.2	77.4	77.4	78.0	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2000	29.3	51.9	60.9	68.8	74.3	77.2	78.9	79.1	79.1	79.7	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	29.3	51.9	60.9	68.8	74.3	77.2	78.9	79.1	79.1	79.7	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	29.3	52.7	61.7	69.9	75.7	78.9	81.2	81.4	81.4	82.0	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	29.5	53.8	63.2	71.3	77.6	81.0	83.3	83.9	83.9	84.5	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	29.7	54.8	64.2	73.4	80.5	84.3	86.8	87.9	87.9	88.5	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	29.7	55.0	64.4	73.8	81.2	84.9	87.4	88.5	88.5	89.1	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	29.7	56.1	65.5	75.1	83.3	87.9	90.4	91.4	91.4	92.1	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	29.7	56.3	65.7	75.5	83.7	88.7	91.8	92.9	92.9	93.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600	29.7	56.7	66.3	76.4	84.9	90.4	93.7	95.2	95.2	95.8	96.9	96.9	97.1	97.1	97.1	97.1
≥ 500	29.9	57.9	68.5	78.6	85.4	90.8	94.1	95.8	95.8	97.1	98.3	98.3	98.5	98.5	98.5	98.5
≥ 400	29.9	56.9	66.5	76.5	85.0	91.0	94.4	96.0	96.0	97.5	98.7	98.7	99.0	99.0	99.0	99.0
≥ 300	29.9	56.9	66.5	76.6	85.6	91.0	94.4	96.0	96.0	97.5	98.7	98.7	99.0	99.0	99.0	99.0
≥ 200	29.9	56.9	66.5	76.6	85.6	91.0	94.4	96.0	96.0	97.5	98.7	98.7	99.0	99.0	99.0	99.0
≥ 100	29.9	56.9	66.5	76.6	85.6	91.0	94.4	96.0	96.0	97.5	98.7	98.7	99.0	99.0	99.0	99.0
≥ 0	29.9	56.9	66.5	76.6	85.6	91.0	94.4	96.0	96.0	97.5	98.7	98.7	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

473

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93746

MARTIN KARIETTA AIRFIELD MD

71-76

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	24.5	41.0	46.5	50.0	52.2	52.9	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	26.1	44.7	50.3	54.5	57.4	58.0	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	26.1	44.7	50.3	54.5	57.5	58.2	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 16000	26.1	44.7	50.3	54.5	57.5	58.2	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 14000	26.3	44.9	50.5	54.8	57.7	58.3	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 12000	26.4	45.5	52.1	56.4	59.2	59.9	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 10000	26.6	48.4	54.3	59.0	62.2	63.1	63.6	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 9000	26.8	49.5	56.2	60.9	64.1	65.1	65.5	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	27.7	52.2	59.0	63.6	67.1	68.3	68.8	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	27.7	52.7	59.5	64.3	67.8	68.9	69.4	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	27.9	53.0	59.9	64.7	68.3	69.4	69.9	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 5000	29.0	54.5	61.5	66.7	70.5	72.0	72.4	72.6	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4500	29.8	55.3	62.3	67.5	71.3	72.8	73.2	73.4	73.7	74.0	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	29.8	56.3	63.3	68.4	72.2	73.9	74.5	74.7	75.0	75.3	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	30.1	56.7	63.8	69.1	73.1	74.7	75.3	75.8	76.1	76.4	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	30.3	57.2	64.6	69.9	74.0	75.6	76.4	76.8	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	31.1	59.0	66.3	71.6	76.3	77.6	78.4	78.8	79.2	79.5	79.8	79.8	79.8	79.8	79.8	79.8
IV 2000	31.4	60.4	67.8	73.4	77.7	79.3	80.1	80.6	80.9	81.3	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	31.4	60.9	68.8	74.2	78.5	80.3	81.1	81.6	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5
IV 1500	31.4	61.9	69.9	76.1	80.9	82.9	83.7	84.1	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1
IV 1200	31.7	63.9	72.4	79.3	85.1	87.0	87.8	88.5	88.8	89.3	89.6	89.6	89.6	89.6	89.6	89.6
IV 1000	31.7	64.6	73.7	81.3	87.7	89.6	90.4	91.2	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	31.7	64.6	74.0	81.5	88.3	90.5	91.5	92.3	92.6	93.1	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	32.1	65.1	74.7	82.2	89.4	92.3	93.6	94.4	94.7	95.2	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	32.1	65.5	75.2	82.9	90.9	94.1	95.4	96.2	96.5	97.0	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	32.1	65.7	75.3	83.2	91.3	94.7	95.2	97.4	97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	32.1	65.9	75.5	83.3	91.7	95.0	95.6	98.2	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	32.1	65.9	75.5	83.3	91.7	95.0	95.6	98.2	98.6	99.2	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	32.1	65.9	75.5	83.3	91.7	95.0	95.6	98.2	98.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0
IV 200	32.1	65.9	75.5	83.3	91.7	95.0	95.6	98.2	98.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0
IV 100	32.1	65.9	75.5	83.3	91.7	95.0	95.6	98.2	98.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0
IV 0	32.1	65.9	75.5	83.3	91.7	95.0	95.6	98.2	98.6	99.2	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

624

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-78

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ ¼	≥ 0
NO CEILING ≥ 20000	28.2	41.9	46.0	49.5	52.4	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 18000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 16000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 14000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 10000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 9000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 8000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 7000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 6000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 5000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 4500	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 4000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 3500	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 3000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 2500	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 2000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 1800	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 1500	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 1200	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 1000	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 900	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 800	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 700	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 600	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 500	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 400	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 300	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 200	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 100	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 0	31.2	46.9	51.5	55.3	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9

TOTAL NUMBER OF OBSERVATIONS

618

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

92766 MARTIN MARINETTA AIRFIELD MD

71-78

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	34.5	46.5	49.0	52.7	54.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	37.0	53.1	56.4	60.9	63.0	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 16000	37.0	53.5	56.8	61.2	63.4	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	38.6	54.8	58.1	62.5	64.7	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 12000	38.6	55.2	59.1	63.0	65.7	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 10000	39.5	57.1	63.0	67.8	70.2	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	39.5	59.1	63.6	68.6	70.9	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 8000	40.9	61.2	66.9	72.5	74.8	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	42.4	63.2	69.2	74.8	77.2	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 6000	43.4	64.3	70.5	76.2	78.7	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 5000	45.0	66.9	73.3	78.1	82.0	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4500	46.1	68.2	74.6	80.4	83.3	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	47.8	70.2	77.1	83.1	86.0	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	48.6	71.9	79.2	85.5	88.4	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3000	48.6	72.5	80.2	86.6	89.7	90.5	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	49.0	73.3	81.2	87.8	90.9	91.7	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2000	49.8	74.2	82.9	89.7	93.6	94.6	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	49.8	74.4	83.1	89.9	93.8	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1600	49.8	74.6	83.3	90.3	94.2	95.2	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1400	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	49.8	75.6	84.7	91.7	96.1	97.1	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

316

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

93744

MARTIN LARRETTA AIRFIELD MD

71-70

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	37.2	44.7	46.3	51.3	53.3	53.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	42.5	54.5	57.0	61.1	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	42.5	54.7	57.2	61.4	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 16000	42.5	54.7	57.2	61.4	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000	42.5	55.6	58.2	62.3	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	43.4	57.2	60.0	64.1	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	44.4	59.8	63.2	67.6	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 9000	44.8	60.2	63.9	68.3	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 8000	46.0	62.5	66.9	71.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	47.6	64.6	69.4	74.0	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	47.8	65.5	70.8	75.4	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	49.9	68.7	75.6	80.5	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	49.9	69.2	76.3	81.1	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	50.6	70.3	78.4	83.4	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	51.7	72.6	81.4	86.4	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	51.7	73.6	83.0	88.5	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	52.0	73.8	83.7	89.2	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	52.2	74.7	84.8	90.5	95.2	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	52.2	74.7	84.8	90.6	95.2	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	52.2	75.2	85.3	91.3	96.1	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	52.2	75.4	85.5	91.5	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	52.2	75.4	85.5	91.7	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	52.2	75.4	85.5	91.7	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	52.2	75.4	85.5	91.7	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	52.2	75.4	85.5	91.7	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	52.2	75.4	85.5	91.7	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	52.2	76.1	86.4	92.6	97.9	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	52.2	76.1	86.4	92.6	97.9	98.6	99.1	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	52.2	76.1	86.4	92.6	97.9	98.6	99.1	99.1	99.1	99.3	99.5	99.8	100.0	100.0	100.0	100.0
≥ 200	52.2	76.1	86.4	92.6	97.9	98.6	99.1	99.1	99.1	99.3	99.5	99.8	100.0	100.0	100.0	100.0
≥ 100	52.2	76.1	86.4	92.6	97.9	98.6	99.1	99.1	99.1	99.3	99.5	99.8	100.0	100.0	100.0	100.0
≥ 0	52.2	76.1	86.4	92.6	97.9	98.6	99.1	99.1	99.1	99.3	99.5	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

9-766

MARTIN MARIETTA AIRFIELD MD

71-78

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING N 20000	48.4	54.8	58.7	61.0	62.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 18000	50.2	60.6	62.4	64.8	66.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	50.7	61.0	62.9	65.3	66.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000	51.2	62.4	64.3	66.7	68.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 12000	53.5	64.8	66.7	69.0	70.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	54.5	67.6	70.9	73.7	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	54.9	68.1	71.4	74.2	75.6	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	56.2	69.5	72.8	75.5	77.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 6000	58.2	72.3	76.1	78.9	80.3	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	58.2	73.2	78.4	81.2	82.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	59.2	74.2	79.2	82.6	84.5	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000	59.6	75.1	80.3	83.6	85.4	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500	61.4	78.4	84.0	87.3	89.7	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 3000	62.9	79.8	85.9	89.2	91.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	63.4	81.2	87.3	91.1	93.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	63.8	81.7	88.7	92.0	94.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1800	63.8	81.7	88.7	92.0	94.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1500	63.8	82.6	90.1	93.4	96.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	63.8	83.1	90.0	93.9	96.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	63.8	83.1	91.1	94.4	97.2	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	63.8	83.1	91.1	94.4	97.2	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	63.8	83.1	91.1	94.4	97.2	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	63.8	83.1	91.1	94.4	97.7	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	63.8	83.1	91.1	94.4	97.7	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	63.8	83.6	91.5	94.8	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	63.8	83.6	91.5	94.8	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	63.8	83.6	91.5	94.8	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	63.8	83.6	91.5	94.8	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	63.8	83.6	91.5	94.8	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	63.8	83.6	91.5	94.8	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93766 MARTIN MARIETTA AIRFIELD MD 71-70 YEARS JULY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	30.3	43.4	47.2	50.6	52.9	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 20000	32.9	43.3	52.5	55.6	59.2	60.0	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	32.9	43.4	52.7	56.8	59.4	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 16000	33.0	43.4	52.7	56.8	59.4	60.2	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000	33.3	43.1	53.4	57.6	60.1	60.9	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 12000	33.7	40.4	54.6	59.0	61.5	62.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 10000	35.0	52.4	58.5	63.5	66.2	67.1	67.6	67.6	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9
IV 9000	35.3	53.9	59.5	64.5	67.3	68.2	68.7	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0
IV 8000	36.2	54.1	62.0	67.2	70.2	71.2	71.6	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	37.2	57.3	63.5	68.8	71.8	72.8	73.3	73.3	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	37.4	58.2	64.6	70.0	73.1	74.0	74.5	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	38.8	60.4	67.1	72.8	76.2	77.3	77.8	77.8	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	39.4	61.1	67.9	73.5	77.0	78.1	78.6	78.6	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	40.3	62.6	69.7	75.5	79.1	80.2	80.8	80.8	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	41.0	63.9	71.3	77.2	80.9	82.1	82.7	82.8	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	41.3	65.2	72.7	78.8	82.7	83.9	84.6	84.7	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	41.7	66.2	74.0	80.1	84.3	85.6	86.2	86.4	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9
IV 2000	42.2	67.0	75.3	81.9	86.3	87.6	88.3	88.4	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9
IV 1800	42.2	67.3	75.7	82.4	86.8	88.1	88.8	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4
IV 1500	42.2	68.0	76.5	83.4	88.2	89.6	90.4	90.5	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	42.3	69.1	77.8	85.1	90.2	91.7	92.5	92.7	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	42.3	69.5	78.4	86.0	91.6	93.2	94.0	94.4	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	42.3	69.4	78.6	86.3	92.1	93.8	94.6	95.0	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	42.4	69.9	79.1	86.8	92.5	94.8	95.8	96.1	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	42.5	70.1	79.3	87.1	93.5	95.6	96.7	97.1	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	42.5	70.4	79.6	87.6	94.1	96.3	97.6	98.1	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	42.5	70.5	79.8	87.7	94.3	96.6	98.0	98.6	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.6
IV 400	42.5	70.5	79.8	87.7	94.3	96.6	98.0	98.6	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	42.5	70.5	79.8	87.7	94.3	96.6	98.0	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	42.5	70.5	79.8	87.7	94.3	96.6	98.0	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	42.5	70.5	79.8	87.7	94.3	96.6	98.0	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	42.5	70.5	79.8	87.7	94.3	96.6	98.0	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

2864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-76

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS T-1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	16.5	35.7	41.5	46.8	51.7	54.0	55.2	56.3	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	19.1	38.0	44.4	50.7	56.5	59.5	61.8	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	19.5	38.4	45.0	51.5	57.7	60.4	61.6	62.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	19.5	38.4	45.0	51.5	57.7	60.4	61.6	62.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	19.5	38.4	45.0	51.7	57.9	60.8	62.0	63.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000	19.5	38.4	45.6	52.4	58.7	61.6	62.8	63.9	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 10000	20.3	43.3	50.1	57.5	64.3	67.6	69.2	70.4	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	20.3	43.7	50.9	58.3	65.1	68.4	70.4	71.7	72.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	20.7	45.4	53.0	61.2	68.0	71.5	73.5	74.9	75.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	21.4	46.4	54.2	62.6	69.0	73.3	75.4	76.8	77.2	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 6000	21.6	47.2	55.2	64.3	71.7	75.2	77.4	78.9	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 5000	22.4	49.1	57.5	67.6	73.2	78.6	81.9	82.3	82.8	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 4500	22.4	49.3	57.7	67.8	75.4	79.1	81.3	82.8	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4000	22.4	49.9	58.3	68.4	76.2	80.1	82.3	83.8	84.2	85.0	85.0	85.0	85.0	85.0	85.2	85.2
IV 3500	22.4	50.3	58.9	69.0	76.6	80.7	82.4	84.8	85.2	86.0	86.0	86.0	86.0	86.0	86.2	86.2
IV 3000	22.6	50.9	59.3	69.6	77.6	81.7	84.6	86.2	86.7	87.5	87.5	87.5	87.5	87.5	87.7	87.7
IV 2500	22.6	50.9	59.3	69.6	77.6	81.7	84.6	86.4	86.9	87.7	87.7	87.7	87.9	87.9	88.1	88.1
IV 2000	22.6	50.9	59.3	69.6	77.6	81.9	85.0	86.9	87.3	88.1	88.1	88.1	88.3	88.3	88.5	88.5
IV 1800	22.6	50.9	59.3	69.6	77.6	81.9	85.0	86.9	87.3	88.1	88.1	88.1	88.3	88.3	88.5	88.5
IV 1500	22.6	51.1	60.0	70.2	78.6	82.8	85.8	87.7	88.1	89.1	89.1	89.1	89.3	89.3	89.5	89.5
IV 1200	22.6	51.1	60.0	70.6	79.7	83.8	86.9	88.7	89.1	90.1	90.1	90.1	90.3	90.3	90.6	90.6
IV 1000	22.6	52.4	61.6	72.5	82.1	86.2	89.3	91.2	91.6	92.6	92.6	92.6	93.0	93.0	93.2	93.2
IV 900	22.6	52.6	61.8	72.7	83.0	87.3	91.3	92.2	92.6	93.8	94.0	94.0	94.3	94.3	94.5	94.5
IV 800	22.6	52.8	62.2	73.3	84.0	88.5	91.6	93.4	93.8	95.1	95.3	95.3	95.3	95.3	95.7	95.7
IV 700	22.6	53.0	62.4	73.7	84.6	89.7	93.0	94.9	95.3	96.5	96.7	96.7	96.9	96.9	97.1	97.1
IV 600	22.6	53.0	62.4	73.7	84.8	90.1	94.0	95.9	96.3	97.5	97.7	97.7	97.9	97.9	98.2	98.2
IV 500	22.6	53.0	62.4	73.7	85.6	91.0	95.1	96.9	97.3	98.6	98.8	98.8	99.0	99.0	99.2	99.2
IV 400	22.6	53.2	62.4	73.7	85.6	91.0	95.1	96.9	97.3	98.6	98.8	98.8	99.0	99.0	99.2	99.2
IV 300	22.6	53.0	62.4	73.9	85.8	91.4	95.5	97.3	97.7	99.0	99.2	99.2	99.4	99.4	99.6	99.8
IV 200	22.6	53.0	62.4	73.9	85.8	91.4	95.5	97.3	97.7	99.0	99.2	99.2	99.4	99.4	99.6	100.0
IV 100	22.6	53.0	62.4	73.9	85.8	91.4	95.5	97.3	97.7	99.0	99.2	99.2	99.4	99.4	99.6	100.0
IV 0	22.6	53.0	62.4	73.9	85.8	91.4	95.5	97.3	97.7	99.0	99.2	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

467

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-75

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	21.9	43.2	51.2	54.2	58.7	67.4	68.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 20000	23.6	45.9	55.8	59.5	64.6	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 18000	24.1	47.5	56.5	60.1	65.2	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 16000	24.1	47.5	56.5	60.1	65.2	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 14000	24.1	47.7	56.8	60.8	65.9	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 12000	24.4	49.0	58.2	62.7	67.9	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	25.0	52.5	62.2	67.1	73.1	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	25.0	52.5	62.2	67.3	73.5	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	25.8	55.7	65.9	71.6	77.8	79.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 7000	26.2	55.5	66.8	72.7	78.9	80.9	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000	26.5	57.1	67.8	74.0	80.2	82.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	27.0	58.4	69.4	75.6	82.0	83.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4500	27.0	58.4	69.4	75.6	82.0	83.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	27.3	59.7	69.7	76.1	82.6	84.5	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	27.3	59.2	70.5	76.9	83.4	85.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	27.3	59.5	71.0	78.1	84.8	86.8	88.0	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	27.3	59.6	71.1	78.3	85.2	87.1	88.4	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	27.3	60.1	72.1	79.4	86.3	88.2	89.6	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	27.3	60.1	72.1	79.4	86.6	88.5	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500	27.9	60.9	73.2	80.9	88.5	90.6	92.0	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	28.1	61.4	74.5	82.5	90.8	92.7	94.1	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	28.1	62.5	75.6	83.9	92.5	94.6	96.0	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	28.1	62.5	75.6	83.9	92.5	94.7	96.2	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	28.1	62.5	75.6	84.1	92.8	95.2	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	28.1	62.5	75.6	84.2	93.3	96.0	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	28.1	62.5	75.6	84.2	93.3	96.3	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	28.1	62.7	75.8	84.4	93.6	96.7	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	28.1	62.7	75.8	84.4	93.6	96.7	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	28.1	62.7	75.8	84.4	93.6	96.7	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	28.1	62.7	75.8	84.4	93.6	96.7	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	28.1	62.7	75.8	84.4	93.6	96.7	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	28.1	62.7	75.8	84.4	93.6	96.7	98.7	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

627

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

92746 MARTIN MARIETTA AIRFIELD MD

71-72

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	23.7	41.4	46.9	50.8	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 20000	27.2	49.0	55.7	60.1	64.3	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 18000	27.9	49.4	56.0	60.7	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 16000	27.9	49.4	56.0	60.7	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 14000	28.1	50.0	57.0	61.7	65.9	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 12000	28.9	51.6	58.8	63.5	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	29.4	55.2	62.8	67.9	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 9000	29.5	55.4	63.0	68.0	72.9	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 8000	30.5	58.3	66.1	71.1	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 7000	30.5	58.4	66.4	71.4	76.3	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	30.5	58.8	67.0	72.6	77.4	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	30.8	61.4	71.1	76.8	81.7	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500	31.2	62.0	71.8	77.4	82.5	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	31.7	63.6	74.2	80.7	86.5	87.3	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3500	32.1	65.1	76.0	82.5	88.3	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000	32.3	66.7	77.9	84.6	90.7	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	32.5	67.0	78.4	85.1	91.4	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2000	32.5	68.3	80.0	87.2	93.7	94.5	94.6	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	32.6	67.5	80.4	88.1	94.8	95.6	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	33.3	69.2	81.0	89.0	95.8	96.6	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	33.3	69.3	81.2	89.4	96.8	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	33.3	69.5	81.3	89.8	97.1	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	33.3	69.5	81.3	89.8	97.1	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	33.3	69.6	81.5	89.9	97.6	98.5	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	33.3	69.6	81.5	89.9	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

616

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	24.2	41.3	44.4	50.9	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV ≥ 18000	29.0	49.5	53.3	60.0	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV ≥ 16000	29.0	49.7	53.7	60.8	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV ≥ 14000	29.1	50.1	54.1	61.1	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV ≥ 12000	30.3	53.0	57.0	64.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV ≥ 10000	31.6	54.7	60.8	68.8	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV ≥ 9000	31.6	56.6	61.1	69.1	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV ≥ 8000	32.2	58.9	63.6	71.8	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV ≥ 7000	32.2	59.4	64.2	73.0	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV ≥ 6000	32.4	60.0	64.8	73.5	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV ≥ 5000	32.6	62.3	67.2	76.8	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV ≥ 4500	33.3	63.0	68.2	77.9	83.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV ≥ 4000	34.1	65.3	70.9	81.5	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV ≥ 3500	34.3	67.0	73.0	84.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV ≥ 3000	34.5	67.6	73.4	85.1	92.0	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV ≥ 2500	34.9	68.0	74.5	86.3	93.1	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV ≥ 2000	35.6	69.5	76.0	88.2	95.6	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV ≥ 1800	35.6	69.5	76.0	88.2	95.6	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV ≥ 1500	35.6	69.5	76.0	88.2	95.6	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV ≥ 1200	35.8	70.3	76.8	89.3	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 1000	35.8	70.3	76.8	89.3	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 900	35.8	70.3	76.8	89.3	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 800	35.8	70.3	76.8	89.3	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 700	35.8	70.3	76.8	89.3	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 600	35.8	70.3	77.3	90.3	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 500	35.8	70.3	77.3	90.3	98.3	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV ≥ 400	35.8	70.3	77.3	90.3	98.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 300	35.8	70.3	77.3	90.3	98.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 200	35.8	70.3	77.3	90.3	98.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 100	35.8	70.3	77.3	90.3	98.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 0	35.8	70.3	77.3	90.3	98.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

525

CEILING VERSUS VISIBILITY

71-78

YES

JUL
A0954

1800-2000
HOURS - 15

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	25.6 29.7	42.9 50.8	49.2 56.1	53.1 61.5	55.0 65.7	55.9 66.6	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8	55.8 66.8
IV 18000 16000	30.0 30.0	51.0 51.2	56.5 56.5	62.0 62.0	66.1 66.1	67.0 67.0	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3	67.3 67.3
IV 14000 12000	30.4 32.0	51.9 54.5	57.4 60.2	63.2 65.9	67.5 70.3	68.4 71.2	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4	68.6 71.4
IV 10000 9000	34.1 34.6	57.7 58.6	64.3 65.2	70.7 71.5	75.5 76.4	76.7 77.6	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8	77.8 77.8
IV 8000 7000	35.2 35.7	61.1 62.2	68.2 69.6	74.3 76.7	79.9 81.7	81.0 82.8	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1	81.2 83.1
IV 6000 5000	36.2 36.6	63.4 64.1	70.7 72.3	77.8 79.4	82.8 84.4	84.0 85.6	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8	84.2 85.8
IV 4500 4000	36.6 37.1	64.1 65.9	72.6 75.3	80.1 83.1	85.1 88.1	86.3 89.3	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5	86.5 89.5
IV 3500 3000	37.8 37.8	66.8 67.5	76.4 78.1	84.4 86.3	89.5 92.2	90.8 93.6	91.1 94.1	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3	91.3 94.3
IV 2500 2000	38.2 38.2	68.7 68.4	78.5 78.9	87.2 87.9	93.1 94.1	94.5 95.4	95.0 95.9	95.2 96.1	95.2 96.1	95.4 96.3	95.4 96.3	95.4 96.3	95.4 96.3	95.7 96.6	95.7 96.6	95.7 96.6	95.7 96.6
IV 1800 1500	38.2 38.2	69.6 69.6	80.1 80.1	89.3 89.3	95.2 95.2	96.6 96.6	97.0 97.0	97.3 97.3	97.3 97.3	97.5 97.5	97.5 97.5	97.5 97.5	97.5 97.5	97.7 97.7	97.7 97.7	97.7 97.7	97.7 97.7
IV 1200 1000	38.2 38.2	70.0 70.0	80.5 80.5	89.5 89.5	95.7 95.7	97.0 97.0	97.5 97.5	97.7 97.7	97.7 97.7	97.9 97.9	97.9 97.9	97.9 97.9	97.9 97.9	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2
IV 900 800	38.2 38.2	70.0 70.0	80.5 80.5	89.7 89.7	95.9 95.9	97.3 97.3	97.7 97.7	97.9 97.9	97.9 97.9	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.4 98.4	98.4 98.4	98.4 98.4	98.4 98.4
IV 700 600	38.2 38.2	70.0 70.0	80.5 80.5	89.7 90.2	95.9 96.3	97.3 97.7	97.7 98.4	97.9 98.6	97.9 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.4 98.6	98.4 98.6	98.4 98.6	98.4 98.6
IV 500 400	38.2 38.2	70.0 70.0	81.5 81.5	90.8 90.8	97.0 97.0	98.4 98.4	99.1 99.1	99.3 99.3	99.3 99.3	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	38.2 38.2	70.0 70.0	81.5 81.5	90.8 90.8	97.0 97.0	98.4 98.4	99.1 99.1	99.3 99.3	99.3 99.3	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	38.2 38.2	70.0 70.0	81.5 81.5	90.8 90.8	97.0 97.0	98.4 98.4	99.1 99.1	99.3 99.3	99.3 99.3	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

437

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

71-76

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	41.0	54.8	61.3	63.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 20000	43.8	59.9	67.7	71.0	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 18000	43.8	59.9	67.7	71.0	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 16000	43.8	59.9	67.7	71.0	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 14000	45.2	61.3	69.6	72.4	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 12000	47.5	63.5	71.9	75.1	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 10000	50.2	64.8	75.6	78.8	81.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 9000	50.2	64.8	75.6	78.8	81.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 8000	50.7	65.7	77.9	81.1	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 7000	50.7	65.7	77.9	81.1	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 6000	50.7	65.7	77.9	81.1	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	51.2	69.1	79.7	83.8	86.6	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4500	51.2	69.1	79.7	83.8	86.6	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	52.5	71.4	82.0	87.6	90.3	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3500	53.5	72.4	82.9	88.9	91.7	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3000	54.8	75.1	85.7	91.7	94.5	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 2000	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1800	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 500	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 400	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 200	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 0	56.7	77.4	87.6	93.5	96.3	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD

71-72

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS PER

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	24.1	42.2	47.9	52.2	55.7	56.6	57.0	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	27.1	47.9	54.4	59.4	63.9	65.1	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 18000	27.3	48.2	54.8	60.0	64.5	65.7	65.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	27.3	48.2	54.8	60.0	64.5	65.7	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 14000	27.6	49.7	55.4	60.8	65.4	66.6	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 12000	28.4	50.5	57.3	62.9	67.5	68.7	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	29.6	54.0	61.4	67.4	72.5	73.9	74.4	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000	29.7	54.4	61.8	67.8	73.1	74.5	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	30.4	56.9	64.6	71.0	76.3	77.7	78.3	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	30.6	57.5	65.4	72.0	77.4	78.8	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000	30.8	58.1	66.3	73.2	78.6	80.0	81.7	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	31.3	59.8	68.2	75.9	81.4	82.9	83.6	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4500	31.5	60.1	69.0	76.5	82.1	83.7	84.4	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000	31.9	61.5	70.7	78.7	84.6	86.3	87.0	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	32.3	62.5	72.0	80.1	86.1	87.7	88.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2
IV 3000	32.5	63.4	73.2	81.6	88.0	89.7	90.6	91.1	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
IV 2500	32.8	63.8	73.7	82.2	88.7	90.3	91.3	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.2	92.2
IV 2000	32.9	64.5	74.5	83.3	90.0	91.7	92.7	93.2	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.6
IV 1800	32.9	64.5	74.6	83.5	90.3	92.0	93.0	93.5	93.6	93.8	93.8	93.8	93.8	93.9	93.9	93.9
IV 1500	33.3	65.1	75.3	84.4	91.3	93.0	94.1	94.5	94.6	94.9	94.9	94.9	94.9	95.0	95.0	95.0
IV 1200	33.3	65.5	75.9	85.2	92.5	94.2	95.3	95.8	95.9	96.1	96.1	96.1	96.1	96.2	96.2	96.2
IV 1000	33.3	65.9	76.5	85.9	93.5	95.2	96.3	96.8	96.9	97.1	97.2	97.2	97.2	97.3	97.3	97.3
IV 900	33.3	66.0	76.5	85.9	93.5	95.4	96.5	97.0	97.1	97.4	97.4	97.4	97.4	97.5	97.5	97.5
IV 800	33.3	66.0	76.6	86.2	94.7	95.8	97.1	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.1	98.1
IV 700	33.3	66.1	76.7	86.3	94.8	96.3	97.6	98.1	98.2	98.5	98.5	98.5	98.5	98.6	98.6	98.6
IV 600	33.3	66.1	76.8	86.5	94.5	96.7	98.1	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.3
IV 500	33.3	66.1	76.9	86.7	94.9	97.1	98.6	99.1	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 400	33.3	66.1	76.9	86.7	94.9	97.1	98.6	99.2	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	33.3	66.1	76.9	86.7	94.9	97.2	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0
IV 200	33.3	66.1	76.9	86.7	94.9	97.2	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0
IV 100	33.3	66.1	76.9	86.7	94.9	97.2	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0
IV 0	33.3	66.1	76.9	86.7	94.9	97.2	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2911

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	14.5	29.1	36.6	43.1	48.4	53.2	55.9	56.6	56.6	56.9	56.9	56.9	57.1	57.1	57.1	57.1
IV 18000	15.0	30.7	38.2	44.8	50.0	55.9	58.8	59.6	59.8	60.3	60.3	60.3	60.5	60.5	60.5	60.5
IV 16000	15.0	30.7	38.5	45.3	51.3	56.4	59.3	60.1	60.3	60.8	60.8	60.8	61.0	61.0	61.0	61.0
IV 14000	15.3	31.3	39.2	46.3	52.5	57.6	60.5	61.3	61.5	62.0	62.0	62.0	62.2	62.2	62.2	62.2
IV 12000	15.5	32.7	41.1	48.6	55.2	60.6	63.7	64.7	64.9	65.4	65.4	65.4	65.6	65.6	65.6	65.6
IV 10000	16.2	34.6	44.8	52.8	60.3	65.8	69.3	70.5	70.7	71.2	71.2	71.2	71.4	71.4	71.4	71.4
IV 9000	16.2	34.8	45.1	53.3	60.8	66.4	70.0	71.2	71.4	71.9	71.9	71.9	72.1	72.1	72.1	72.1
IV 8000	16.9	36.3	46.7	55.0	63.0	68.8	72.7	73.9	74.1	74.6	74.6	74.6	74.8	74.8	74.8	74.8
IV 7000	17.0	37.1	48.0	56.4	64.6	70.4	74.3	75.5	75.6	76.1	76.1	76.1	76.3	76.3	76.3	76.3
IV 6000	17.2	37.6	48.6	56.9	65.1	71.0	75.1	76.3	76.7	77.2	77.2	77.2	77.3	77.3	77.3	77.3
IV 5000	17.2	38.3	49.6	58.3	67.1	73.1	77.3	78.7	78.9	79.4	79.4	79.4	79.6	79.6	79.6	79.6
IV 4500	17.2	38.3	49.6	58.3	67.1	73.1	77.3	78.7	78.9	79.4	79.4	79.4	79.6	79.6	79.6	79.6
IV 4000	17.7	38.8	50.3	59.6	69.3	75.3	79.6	80.9	81.1	81.6	81.6	81.6	81.8	81.8	81.8	81.8
IV 3500	17.7	39.2	50.6	60.5	70.4	76.3	80.6	81.9	82.1	82.8	82.8	82.8	83.0	83.0	83.0	83.0
IV 3000	17.7	39.2	50.6	60.8	71.0	77.2	81.9	83.6	83.8	84.5	84.5	84.5	84.7	84.7	84.7	84.7
IV 2500	18.1	39.5	51.1	61.3	71.7	77.9	82.6	84.3	84.5	85.2	85.2	85.2	85.3	85.3	85.3	85.3
IV 2000	18.1	39.5	51.1	62.2	72.6	78.9	83.6	85.3	85.5	86.4	86.4	86.4	86.5	86.5	86.5	86.5
IV 1800	18.1	40.0	51.8	62.4	72.9	79.4	84.3	86.2	86.4	87.2	87.2	87.2	87.4	87.4	87.4	87.4
IV 1500	18.7	40.9	52.6	63.4	73.9	80.6	85.5	87.4	87.6	88.6	88.6	88.6	88.8	88.8	88.8	88.8
IV 1200	18.7	41.2	53.2	64.1	75.1	82.6	87.7	89.6	89.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
IV 1000	18.7	41.7	53.7	64.9	76.3	84.5	89.1	92.3	92.5	93.7	93.7	93.7	93.9	93.9	93.9	93.9
IV 900	18.7	41.7	53.8	65.2	76.8	85.2	91.1	93.4	93.5	94.7	94.7	94.7	94.9	94.9	94.9	94.9
IV 800	18.7	41.9	54.0	65.4	77.3	85.9	91.3	93.1	93.2	96.4	96.4	96.4	96.6	96.6	96.6	96.6
IV 700	18.7	42.2	54.3	65.9	78.3	86.5	91.2	96.4	96.6	98.0	98.0	98.0	98.1	98.1	98.1	98.1
IV 600	18.7	42.2	54.3	65.9	78.2	86.7	91.4	96.6	96.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3
IV 500	18.7	42.2	54.3	65.9	78.4	87.1	91.9	97.6	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 400	18.7	42.2	54.3	65.9	78.4	87.1	91.9	97.6	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 300	18.7	42.2	54.3	65.9	78.4	87.1	91.9	97.6	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 200	18.7	42.2	54.3	65.9	78.4	87.1	91.9	97.6	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 100	18.7	42.2	54.3	65.9	78.4	87.1	91.9	97.6	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 0	18.7	42.2	54.3	65.9	78.4	87.1	91.9	97.6	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥¼	≥0
NO CEILING	18.3	36.3	43.9	52.7	57.3	59.1	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	19.9	38.8	46.6	55.7	60.4	62.2	62.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 18000	19.9	38.8	46.6	55.7	60.4	62.2	62.2	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	19.9	38.8	46.6	55.7	60.4	62.2	62.2	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	20.2	39.0	46.9	56.0	61.0	62.7	63.6	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	20.2	40.4	48.4	57.7	62.9	64.8	65.6	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 10000	21.1	44.2	52.4	63.0	68.7	70.9	71.8	72.1	72.1	72.2	72.2	72.2	72.4	72.4	72.4	72.4
IV 9000	21.1	44.7	53.0	63.7	69.4	71.5	72.5	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0
IV 8000	21.7	46.1	55.0	65.7	71.4	73.6	74.9	75.2	75.2	75.3	75.3	75.3	75.5	75.5	75.5	75.5
IV 7000	22.1	47.0	56.0	66.7	72.0	74.9	75.3	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8
IV 6000	22.4	47.4	56.5	67.2	73.2	75.7	77.1	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6
IV 5000	22.4	47.7	57.2	68.6	74.9	77.5	78.9	79.1	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.4
IV 4500	22.6	48.4	58.0	69.2	75.6	78.2	79.5	79.8	79.8	79.9	79.9	79.9	80.1	80.1	80.1	80.1
IV 4000	22.8	48.6	58.9	70.6	77.1	79.9	81.3	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8
IV 3500	23.2	49.3	59.9	71.5	78.0	80.9	82.4	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9
IV 3000	23.3	50.1	60.8	72.8	79.9	82.9	84.6	84.8	84.8	85.0	85.0	85.0	85.1	85.1	85.1	85.1
IV 2500	23.6	50.7	61.4	73.4	80.9	83.9	85.5	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 2000	24.0	51.6	62.3	74.7	82.4	85.5	87.1	87.4	87.4	87.5	87.5	87.5	87.7	87.7	87.7	87.7
IV 1800	24.0	52.0	62.7	75.1	82.8	85.9	87.5	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2
IV 1500	24.0	53.3	64.2	76.7	85.0	88.1	89.7	90.1	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5
IV 1200	24.0	53.5	65.0	78.2	87.7	90.9	92.7	93.4	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.8
IV 1000	24.0	54.2	65.9	79.1	89.2	93.2	95.7	96.7	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2
IV 900	24.0	54.3	66.1	79.4	89.4	93.5	96.2	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 800	24.0	54.3	66.3	79.5	89.7	93.8	96.6	98.0	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4
IV 700	24.0	54.5	66.4	79.7	90.0	94.3	97.3	98.6	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1
IV 600	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
IV 500	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
IV 400	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	24.0	54.5	66.4	79.7	90.2	95.1	98.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

738

USAF ETAC

FORM
JUL 64

0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744 MARTIN MARETTA AIRFIELD MD

70-76

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	24.0	40.2	46.2	51.2	56.6	57.6	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000 ≥ 16000	26.2	44.4	51.0	56.2	61.7	62.7	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	27.0	45.9	52.6	57.7	63.2	64.2	64.6	64.6	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000 ≥ 9000	27.3	47.9	54.5	59.6	65.9	66.9	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 8000 ≥ 7000	28.8	52.1	59.6	65.3	71.4	73.0	73.5	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000 ≥ 5000	29.1	53.7	61.0	67.4	73.9	75.2	76.0	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4500 ≥ 4000	29.5	54.5	62.4	68.8	75.3	76.7	77.5	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500 ≥ 3000	29.5	54.5	62.7	69.6	76.4	77.8	78.6	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2500 ≥ 2000	29.6	56.6	65.6	73.2	80.2	81.6	82.4	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800 ≥ 1500	30.4	57.4	66.4	74.5	81.4	82.8	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200 ≥ 1000	30.5	58.4	67.5	76.4	83.8	85.2	86.0	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 900 ≥ 800	30.7	59.1	68.2	77.1	84.7	86.1	87.1	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 700 ≥ 600	31.5	60.2	69.2	79.1	87.1	88.3	89.5	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 500 ≥ 400	32.0	60.7	69.9	79.8	88.1	89.5	91.0	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 300 ≥ 200	32.0	61.0	70.3	80.5	89.3	91.0	92.5	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 100 0	32.2	61.6	70.9	81.4	90.2	92.0	93.5	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	32.2	62.0	71.6	82.7	91.6	93.6	95.6	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	32.5	62.7	72.4	84.0	93.9	96.0	97.9	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	32.5	62.7	72.4	84.2	94.0	96.3	98.2	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	32.5	62.7	72.4	84.2	94.0	96.4	98.3	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	32.5	62.7	72.4	84.2	94.3	96.7	98.6	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	32.5	62.7	72.5	84.3	94.5	96.8	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	32.5	62.7	72.5	84.3	94.5	96.8	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	32.5	62.7	72.5	84.3	94.5	96.8	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	32.5	62.7	72.5	84.3	94.5	96.8	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

721

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/8	≥ 0	≥ 0
NO CEILING	20.0	43.0	50.5	54.7	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	28.8	47.4	55.9	60.7	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	28.8	48.1	56.7	61.5	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	28.8	48.3	56.9	61.7	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	29.4	50.5	59.2	64.2	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 12000	30.4	52.0	61.7	67.1	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 10000	31.3	55.9	65.0	70.9	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	31.3	56.1	65.1	71.0	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	31.5	56.4	65.4	72.3	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	32.2	57.6	66.8	73.7	78.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	32.9	57.8	67.4	75.1	80.1	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	33.9	59.7	70.2	78.0	83.2	84.1	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	33.3	61.1	71.7	79.4	84.6	85.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	34.1	62.9	74.0	82.2	87.4	88.9	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	34.6	64.0	75.2	83.6	88.8	90.8	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	35.4	65.9	78.0	86.8	92.1	94.1	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	35.7	66.4	78.5	87.2	93.0	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	35.7	66.5	78.7	88.0	93.9	96.1	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	35.7	66.5	78.7	88.2	94.1	96.3	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	35.7	66.5	78.7	88.3	94.4	96.6	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	35.7	66.5	78.8	88.5	94.5	96.7	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	35.7	66.7	79.0	88.8	95.0	97.5	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	35.7	66.7	79.0	88.8	95.0	97.5	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	35.7	66.7	79.0	88.8	95.0	97.5	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	35.7	66.7	79.0	88.8	95.0	97.7	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

542

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD

70-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ 4	≥ 0
NO CEILING ≥ 20000	29.5	44.3	49.3	54.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 18000 IV 16000	32.0	49.5	55.1	60.5	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000 IV 12000	33.7	52.4	58.4	64.0	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000 IV 9000	35.6	59.0	65.7	72.4	75.0	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 8000 IV 7000	36.6	61.1	68.2	75.1	77.6	78.6	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000 IV 5000	37.4	62.4	69.9	77.3	80.3	81.5	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4500 IV 4000	38.2	63.6	71.7	79.6	83.6	84.8	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500 IV 3000	38.7	64.7	75.5	84.2	89.0	90.6	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500 IV 2000	38.9	67.2	76.5	85.9	91.9	93.4	93.8	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800 IV 1500	39.1	67.6	77.5	87.1	93.4	95.0	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200 IV 1000	39.1	67.8	77.6	87.5	94.0	95.8	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900 IV 800	39.1	67.8	77.6	87.7	94.4	96.3	97.5	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700 IV 600	39.1	68.0	77.8	87.9	94.8	96.9	97.1	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500 IV 400	39.1	68.0	77.8	87.9	95.0	97.1	97.5	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 IV 200	39.1	68.0	77.8	87.9	95.0	97.1	97.5	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 IV 0	39.1	68.0	77.8	87.9	95.0	97.1	97.5	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

519

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/11AC

CEILING VERSUS VISIBILITY

93746
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-76
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	37.5	46.4	52.1	57.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000 16000	39.3	49.8	56.6	62.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000 12000	40.8	51.7	59.2	64.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000 9000	44.2	58.1	65.9	72.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000 7000	45.7	60.3	68.9	75.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 6000 5000	46.8	61.4	70.8	77.5	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500 4000	46.8	62.9	73.4	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500 3000	46.8	64.4	76.4	83.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2500 2000	47.6	69.3	82.4	90.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800 1500	47.9	69.7	83.5	91.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200 1000	47.9	69.7	84.3	92.5	97.0	97.0	97.0	97.4	97.4	97.8	97.8	97.8	98.1	98.1	98.1	98.1
IV 900 800	47.9	69.7	84.6	92.9	97.8	97.8	97.8	98.1	98.1	98.5	98.5	98.5	98.9	98.9	98.9	98.9
IV 700 600	47.9	69.7	85.0	93.3	98.5	98.5	98.5	98.9	98.9	99.3	99.3	99.3	99.6	99.6	99.6	99.6
IV 500 400	47.9	69.7	85.0	93.3	98.5	98.5	98.5	98.9	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0
IV 300 200	47.9	69.7	85.0	93.3	98.5	98.5	98.5	98.9	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0
IV 100 0	47.9	69.7	85.0	93.3	98.5	98.5	98.5	98.9	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

267

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5 16	≥ ¼	≥ 0
NO CEILING	23.5	39.2	45.8	51.8	55.6	57.3	58.0	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	25.3	42.5	49.7	53.0	60.2	61.8	62.6	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	25.4	42.8	50.1	56.4	60.7	62.2	63.0	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	25.4	42.8	50.1	56.4	60.7	62.3	63.0	63.2	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5
≥ 14000	26.1	44.3	51.7	58.1	62.5	64.1	64.9	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	26.6	46.1	53.8	60.4	65.1	66.8	67.5	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000	27.8	49.7	57.9	65.4	70.5	72.4	73.3	73.6	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9
≥ 9000	27.8	49.9	58.5	65.8	71.0	72.9	73.8	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	28.3	51.3	59.6	67.7	72.9	74.9	76.1	76.4	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7
≥ 7000	28.8	52.2	61.0	68.8	74.2	76.3	77.5	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	29.0	52.5	61.6	69.7	75.4	77.5	78.8	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	29.2	53.7	62.5	72.2	78.2	80.4	81.7	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4500	29.5	54.3	64.1	72.9	78.9	81.1	82.3	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	29.9	55.5	65.8	75.1	81.6	84.0	85.2	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3500	30.1	56.2	66.6	76.1	82.0	85.1	86.4	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	30.4	57.1	67.9	77.7	84.7	87.3	88.7	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	30.8	57.7	68.5	78.4	85.7	88.3	89.8	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	30.9	58.1	69.1	79.4	86.9	89.6	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	31.0	58.4	69.3	79.7	87.3	90.1	91.8	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	31.1	58.9	70.0	80.6	88.6	91.4	93.2	93.9	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 1200	31.1	59.1	70.5	81.4	89.8	92.8	94.7	95.5	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0
≥ 1000	31.1	59.4	70.8	81.9	90.5	94.0	96.1	97.2	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 900	31.1	59.4	70.9	82.0	90.7	94.2	96.4	97.5	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 800	31.1	59.5	71.0	82.1	90.9	94.4	96.9	98.0	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	31.1	59.6	71.0	82.2	91.1	94.7	97.2	98.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	31.1	59.6	71.1	82.2	91.3	95.1	97.6	98.9	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 500	31.1	59.6	71.1	82.3	91.3	95.1	97.6	98.9	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 400	31.1	59.6	71.1	82.3	91.3	95.1	97.7	99.1	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	31.1	59.6	71.1	82.3	91.3	95.1	97.7	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	31.1	59.6	71.1	82.3	91.3	95.1	97.7	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	31.1	59.6	71.1	82.3	91.3	95.1	97.7	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	31.1	59.6	71.1	82.3	91.3	95.1	97.7	99.2	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS IST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 1	≥ 0
NO CEILING	15.2	27.5	32.8	35.5	43.5	44.7	45.0	47.6	47.8	48.1	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	16.0	29.6	35.8	38.9	47.1	49.0	50.4	52.0	52.2	52.8	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	16.0	29.6	35.8	38.9	47.1	49.0	50.4	52.0	52.2	52.8	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	16.0	29.6	35.8	38.9	47.1	49.0	50.4	52.0	52.2	52.8	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	16.2	30.1	36.4	39.6	47.8	49.7	51.2	52.8	52.9	53.5	53.7	53.7	53.7	53.7	53.7	53.7
IV 12000	16.9	31.6	37.8	41.4	49.9	51.9	54.0	55.6	55.8	56.3	56.5	56.5	56.5	56.5	56.5	56.5
IV 10000	18.0	33.2	40.1	44.4	53.5	55.6	57.8	59.4	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2
IV 9000	18.2	33.3	40.5	44.7	54.0	56.1	58.3	59.9	60.1	60.6	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	19.1	35.5	42.8	47.6	57.4	59.5	61.7	63.3	63.5	64.0	64.2	64.2	64.2	64.2	64.2	64.2
IV 7000	19.4	36.0	43.2	48.1	57.9	60.1	62.4	64.3	64.5	65.2	65.4	65.4	65.4	65.4	65.4	65.4
IV 6000	20.1	36.9	44.6	49.7	59.5	61.7	64.0	66.0	66.1	66.8	67.0	67.0	67.0	67.0	67.0	67.0
IV 5000	21.2	39.9	46.7	53.1	63.1	65.4	68.3	70.2	70.4	71.1	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	21.4	39.2	47.4	53.8	64.0	66.5	69.3	71.3	71.5	72.2	72.4	72.4	72.4	72.5	72.5	72.5
IV 4000	22.3	40.8	49.0	55.6	66.0	68.4	71.3	73.4	73.6	74.3	74.5	74.5	74.5	74.7	74.7	74.7
IV 3500	22.6	42.2	50.4	57.9	67.6	70.2	73.3	75.4	75.4	76.1	76.3	76.3	76.3	76.5	76.5	76.5
IV 3000	23.4	44.0	52.2	59.0	69.5	72.2	75.4	77.4	77.5	78.3	78.4	78.4	78.4	78.6	78.6	78.6
IV 2500	24.1	45.8	54.5	61.9	72.4	75.2	78.4	80.4	80.6	81.3	81.5	81.5	81.5	81.6	81.6	81.6
IV 2000	24.4	46.3	55.3	62.7	73.8	76.5	79.5	82.5	82.7	83.4	83.6	83.6	83.6	83.8	83.8	83.8
IV 1800	24.4	46.3	55.3	62.7	73.8	76.5	79.5	82.5	82.7	83.4	83.6	83.6	83.6	83.8	83.8	83.8
IV 1500	25.3	47.8	56.9	64.5	76.1	79.3	82.2	85.2	85.4	86.1	86.3	86.3	86.3	86.5	86.5	86.5
IV 1200	25.3	48.8	58.3	66.5	78.3	81.5	85.3	87.7	87.9	88.6	88.8	88.8	88.8	88.9	88.9	88.9
IV 1000	25.3	49.4	59.0	67.2	79.1	82.4	86.6	88.9	89.1	90.0	90.2	90.2	90.2	90.4	90.4	90.4
IV 900	25.5	49.7	59.4	67.6	80.3	83.4	87.9	90.0	90.2	91.1	91.3	91.3	91.3	91.4	91.4	91.4
IV 800	25.5	49.7	59.7	67.9	80.9	83.6	88.0	92.2	92.3	93.2	93.4	93.4	93.4	93.6	93.6	93.6
IV 700	25.5	49.9	59.9	68.3	81.5	86.3	91.3	93.4	93.6	94.5	94.7	94.7	94.7	94.8	94.8	94.8
IV 600	25.5	49.9	59.9	68.3	81.6	86.6	91.8	94.3	94.5	95.3	95.7	95.7	95.7	95.9	95.9	95.9
IV 500	25.5	50.1	60.1	68.4	82.2	87.3	92.5	95.0	95.2	96.3	96.6	97.0	97.0	97.1	97.1	97.1
IV 400	25.5	50.1	60.1	68.4	82.2	87.3	92.5	95.7	95.9	97.0	97.5	98.0	98.0	98.2	98.2	98.2
IV 300	25.5	50.1	60.1	68.4	82.2	87.3	92.5	96.1	96.3	97.3	97.9	98.4	98.4	98.9	98.9	99.3
IV 200	25.5	50.1	60.1	68.4	82.2	87.3	92.5	96.1	96.3	97.3	97.9	98.4	98.6	99.1	99.1	99.6
IV 100	25.5	50.1	60.1	68.4	82.2	87.3	92.5	96.1	96.3	97.3	98.0	98.6	98.8	99.3	99.3	100.0
IV 0	25.5	50.1	60.1	68.4	82.2	87.3	92.5	96.1	96.3	97.3	98.0	98.6	98.8	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

561

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD

70-78

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥¼	≥0
NO CEILING	19.8	35.2	39.4	42.2	46.9	48.9	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	20.5	38.4	42.8	45.9	50.8	53.1	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	20.6	38.6	42.9	46.0	51.0	53.2	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	20.6	38.6	42.9	46.0	51.0	53.2	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	20.8	38.7	43.1	46.3	51.3	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	21.3	40.3	45.3	48.7	54.0	56.2	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	21.9	43.1	48.6	53.1	58.9	61.3	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	21.9	43.4	49.0	53.5	59.3	61.7	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	22.5	45.5	51.1	56.1	62.3	64.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	23.6	47.5	52.2	58.5	64.7	67.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	23.9	47.9	53.8	59.2	65.5	67.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	24.2	49.3	55.2	61.6	68.4	71.2	72.3	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	24.7	50.3	56.5	62.9	69.6	72.5	73.6	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	25.3	51.3	57.5	63.8	70.6	73.4	74.7	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3500	26.3	52.7	59.5	66.0	72.9	75.7	77.0	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	29.0	55.9	63.0	70.1	77.3	80.1	81.5	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	29.1	56.6	64.0	71.2	78.7	81.5	83.2	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	30.2	58.8	66.4	74.0	81.5	84.6	86.0	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	30.4	59.3	66.9	74.6	82.1	85.2	86.6	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	30.9	60.2	68.1	75.5	84.5	87.9	89.5	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	31.4	61.2	69.5	77.3	86.0	89.4	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	31.6	62.1	70.6	79.1	88.3	91.8	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900	31.5	62.3	71.0	79.7	89.0	92.8	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	31.6	62.4	71.5	80.1	89.7	93.4	95.8	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	31.6	62.6	71.5	80.1	90.0	94.2	96.5	97.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	31.6	62.7	71.8	80.4	90.3	94.6	96.9	97.5	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	31.6	62.7	71.8	80.4	90.3	95.3	97.7	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

708

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≤ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ 14	≥ 0
NO CEILING	25.7	41.9	44.8	48.6	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 20000	28.3	46.9	50.5	54.5	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	28.3	46.9	50.5	54.5	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	28.3	46.9	50.5	54.5	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000	28.3	46.9	50.5	54.5	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 12000	29.4	48.1	51.6	55.7	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 10000	31.1	51.2	55.4	59.4	61.8	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 9000	31.3	51.8	56.0	60.0	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	32.1	54.5	58.8	63.6	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 7000	33.1	56.5	60.8	66.0	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 6000	34.0	57.5	62.1	67.3	69.9	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 5000	35.0	59.5	64.8	70.3	73.2	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	35.6	60.5	66.0	71.4	74.3	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	36.3	62.1	67.6	73.6	76.5	77.0	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 3500	38.0	65.0	70.7	76.9	79.8	80.3	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3000	39.2	67.7	74.0	80.9	84.1	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	40.0	69.3	75.9	82.9	86.4	86.9	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	40.7	70.7	77.2	85.2	89.0	89.5	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1800	41.0	71.2	78.0	85.9	89.7	90.2	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500	41.8	72.6	79.9	88.1	92.5	93.1	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1200	41.9	73.5	81.2	89.5	94.3	94.8	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	41.9	73.9	81.9	90.4	95.7	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	41.9	73.9	81.9	90.4	95.8	96.4	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	41.9	73.9	81.9	90.5	96.0	96.6	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	41.9	73.9	82.2	91.0	96.4	97.3	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	41.9	73.9	82.2	91.1	96.6	97.6	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	41.9	73.9	82.2	91.1	96.6	98.1	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	41.9	73.9	82.2	91.1	96.7	98.4	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	41.9	73.9	82.2	91.1	96.7	98.4	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	41.9	73.9	82.2	91.1	96.7	98.4	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	41.9	73.9	82.2	91.1	96.7	98.4	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	41.9	73.9	82.2	91.1	96.7	98.4	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	34.2	51.9	53.9	56.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	37.9	57.5	60.5	63.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	37.9	57.6	60.6	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	37.9	57.6	60.6	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	38.0	57.6	61.0	64.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	38.4	58.6	61.3	63.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	39.2	60.8	64.2	68.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	39.2	61.5	64.8	68.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 8000	39.9	64.2	67.7	72.2	73.7	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	40.9	65.7	69.7	74.5	76.2	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	41.7	66.8	71.0	75.4	77.6	77.6	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 5000	42.9	69.2	74.4	79.7	81.6	81.6	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4500	43.2	69.7	75.4	80.7	82.6	82.6	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	44.7	71.2	77.6	83.9	85.8	85.8	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	45.4	72.5	79.1	85.8	87.8	88.1	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	46.2	74.9	81.6	88.3	90.5	90.8	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	46.4	75.9	82.7	89.4	91.6	92.0	92.1	92.1	92.1	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	46.9	77.4	84.6	91.6	94.1	94.5	94.6	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	46.9	77.4	84.6	91.6	94.1	94.5	94.6	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	46.9	77.7	84.9	92.5	94.8	95.1	95.3	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	47.1	78.6	86.1	93.6	96.0	96.3	96.5	96.5	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	47.1	78.6	86.6	94.3	96.6	97.0	97.2	97.2	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	47.1	78.6	86.6	94.6	97.0	97.3	97.5	97.5	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	47.1	78.6	87.3	95.0	97.3	97.7	97.8	97.8	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	47.1	78.6	87.3	95.1	97.7	98.3	98.7	98.7	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	47.1	78.6	87.3	95.1	97.7	98.3	98.7	98.8	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	47.1	78.6	87.3	95.1	97.8	98.5	98.8	99.0	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	47.1	78.6	87.3	95.1	97.8	98.5	98.8	99.0	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	47.1	78.6	87.3	95.1	97.8	98.5	98.8	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	47.1	78.6	87.3	95.1	97.8	98.5	98.8	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	47.1	78.6	87.3	95.1	97.8	98.5	98.8	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	47.1	78.6	87.3	95.1	97.8	98.5	98.8	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-76

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS - 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 16	≥ ¼	≥ 0
NO CEILING	40.6	56.9	62.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	43.3	61.8	67.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 18000	43.3	62.7	68.4	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 16000	43.3	62.9	68.6	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 14000	43.7	63.3	69.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	44.7	64.5	70.2	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 10000	45.7	66.3	72.0	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	46.5	67.6	73.5	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	47.1	69.2	75.3	79.2	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	47.6	70.2	76.3	80.6	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 6000	48.0	71.0	77.1	81.6	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 5000	49.4	73.5	80.2	84.7	85.3	86.1	86.1	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	49.6	74.3	81.4	85.9	87.5	87.6	87.6	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	50.0	76.3	83.5	88.0	89.8	90.0	90.0	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3500	51.0	79.2	85.5	90.0	92.0	92.2	92.2	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000	51.6	79.0	86.3	90.8	92.7	92.9	92.9	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	51.8	80.0	87.6	92.4	94.3	94.5	94.5	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000	51.8	80.2	87.8	92.5	94.5	94.9	94.9	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800	51.8	81.0	88.0	93.3	95.3	95.7	95.7	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	51.8	81.2	88.8	93.5	95.5	95.9	95.9	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	51.8	81.6	89.2	94.3	96.3	96.7	96.7	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	51.8	81.6	89.2	94.3	96.3	96.7	96.7	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	51.8	81.6	89.4	95.1	97.3	97.6	97.6	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	51.8	82.0	89.8	95.5	97.6	98.0	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	51.8	82.0	89.8	95.5	97.8	98.2	98.4	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	51.8	82.0	89.8	95.5	98.0	98.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

510

USAF ETAC

FORM
1-1-64

0-14-5 (O' A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	45.6	57.5	62.8	63.6	63.6	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	47.5	60.2	65.9	67.0	67.0	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	47.5	60.5	66.3	67.4	67.4	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 16000	47.5	60.9	66.7	67.8	67.8	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	49.0	62.5	68.2	69.3	69.3	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 12000	51.0	65.1	70.9	72.0	72.0	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 10000	53.6	67.8	73.6	74.7	74.7	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 9000	55.2	69.7	75.5	76.6	76.6	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	57.5	72.4	78.2	80.1	80.1	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 7000	59.0	74.7	80.5	82.4	82.4	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 6000	59.8	75.5	81.2	83.1	83.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	59.8	77.0	82.8	84.7	84.7	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 4500	60.2	77.8	84.3	86.2	86.2	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	60.9	80.1	87.0	88.9	88.9	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500	62.5	82.0	88.9	90.8	90.8	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	62.8	82.4	89.2	91.2	91.2	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	62.8	82.8	89.7	91.6	91.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	62.8	83.1	90.4	92.3	92.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	62.8	83.1	90.4	92.3	92.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500	62.8	83.5	90.8	92.3	92.3	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	63.6	84.3	91.6	94.3	94.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	63.6	84.7	92.2	95.0	95.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 900	63.6	84.7	92.2	95.0	95.0	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	63.6	84.7	92.2	95.8	95.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	63.6	84.7	92.2	95.8	95.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	63.6	84.7	92.2	95.8	95.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	63.6	84.7	92.2	95.8	95.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	63.6	84.7	92.2	95.8	95.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	63.6	85.1	92.7	96.2	96.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	63.6	85.1	92.7	96.2	96.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	63.6	85.1	92.7	96.2	96.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	63.6	85.1	92.7	96.2	96.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

261

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744 MARTIN MARIETTA AIRFIELD MD

70-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	28.0	43.3	47.3	50.0	52.9	53.5	53.9	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	30.1	47.4	52.0	54.9	57.8	58.7	59.1	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000	30.1	47.6	52.2	55.2	58.1	59.0	59.4	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	30.1	47.7	52.3	55.3	58.2	59.0	59.5	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	30.4	48.0	52.6	55.7	58.7	59.5	59.9	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 12000	31.2	49.4	54.1	57.4	60.7	61.5	62.1	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	32.4	51.8	56.9	60.7	64.3	65.2	65.8	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	32.7	52.4	57.7	61.4	65.1	66.0	66.6	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	33.5	54.8	60.1	64.5	68.4	69.4	70.0	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 7000	34.4	56.3	61.7	66.4	70.3	71.3	72.0	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	35.1	57.1	62.8	67.6	71.5	72.5	73.2	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	35.9	59.1	65.2	70.6	74.8	76.0	76.8	77.2	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6
IV 4500	36.3	59.9	66.3	71.7	76.0	77.2	78.1	78.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9
IV 4000	37.1	61.4	68.0	73.7	78.1	79.4	80.3	80.7	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	38.1	63.2	70.1	75.9	80.4	81.7	82.6	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3000	39.3	65.4	72.4	78.3	83.2	84.5	85.5	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2500	39.7	66.5	73.9	80.1	85.0	86.4	87.3	87.8	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 2000	40.3	67.7	75.2	81.9	86.9	88.3	89.4	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1800	40.4	67.9	75.5	82.2	87.2	88.6	89.7	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	40.8	68.8	76.6	83.5	89.0	90.5	91.7	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200	41.0	69.6	77.7	84.7	90.2	91.9	93.1	93.6	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0
IV 1000	41.0	70.1	78.4	85.7	91.4	93.1	94.4	94.9	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 900	41.0	70.2	78.7	86.1	92.2	93.8	95.1	95.7	95.7	96.0	96.1	96.1	96.1	96.2	96.2	96.2
IV 800	41.1	70.3	78.9	86.4	92.7	94.6	96.0	96.6	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	41.1	70.3	79.0	86.6	93.0	95.1	96.7	97.3	97.4	97.8	97.8	97.8	97.8	97.9	97.9	97.9
IV 600	41.1	70.4	79.1	86.7	93.2	95.4	97.1	97.8	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	41.1	70.4	79.1	86.7	93.3	95.8	97.5	98.3	98.4	98.9	99.0	99.0	99.1	99.1	99.1	99.1
IV 400	41.1	70.4	79.1	86.7	93.3	95.9	97.7	98.5	98.7	99.2	99.4	99.5	99.5	99.6	99.6	99.6
IV 300	41.1	70.4	79.1	86.8	93.3	95.9	97.8	98.6	98.7	99.3	99.5	99.6	99.6	99.7	99.7	99.8
IV 200	41.1	70.4	79.1	86.8	93.3	95.9	97.8	98.7	98.8	99.4	99.6	99.6	99.7	99.8	99.8	99.9
IV 100	41.1	70.4	79.1	86.8	93.3	95.9	97.8	98.7	98.8	99.4	99.6	99.7	99.8	99.9	99.9	100.0
IV 0	41.1	70.4	79.1	86.8	93.3	95.9	97.8	98.7	98.8	99.4	99.6	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3335

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS 4 51

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥16	≥¼	≥0
NO CEILING, ≥ 20000	29.9	41.5	44.5	47.2	50.8	51.3	52.4	52.8	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.5
IV 18000	31.7	44.4	47.8	50.4	54.2	54.7	56.0	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	57.1
IV 16000	31.7	44.4	47.8	50.4	54.2	54.7	56.0	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	57.1
IV 14000	31.8	44.5	47.9	50.6	54.4	54.9	56.4	56.7	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.4
IV 12000	32.4	45.6	49.4	52.2	56.0	56.5	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2
IV 10000	33.5	47.9	52.1	55.1	58.9	59.4	61.0	61.4	61.4	61.5	61.9	61.9	61.9	61.9	61.9	62.2
IV 9000	33.8	48.3	52.4	55.3	59.2	59.7	61.4	61.7	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.6
IV 8000	35.8	51.2	55.3	58.7	62.8	63.3	65.1	65.5	65.7	65.8	66.2	66.2	66.2	66.2	66.2	66.5
IV 7000	36.1	51.9	56.0	59.4	63.9	64.4	66.3	66.9	67.1	67.2	67.6	67.6	67.6	67.6	67.6	68.0
IV 6000	36.3	52.8	56.9	60.3	64.9	65.3	67.6	68.0	68.2	68.7	69.1	69.1	69.1	69.1	69.2	69.6
IV 5000	38.2	55.8	59.9	63.5	68.2	68.7	70.8	71.4	71.7	72.2	72.6	72.6	72.6	72.6	73.0	73.2
IV 4500	38.3	56.0	60.1	63.7	68.3	69.1	71.4	71.9	72.2	72.8	73.2	73.2	73.2	73.2	73.3	73.9
IV 4000	39.2	58.0	62.1	65.8	70.8	71.6	73.9	74.4	74.8	75.2	75.7	75.7	75.8	75.8	76.0	76.4
IV 3500	39.4	58.5	62.8	66.5	71.6	72.3	74.8	75.3	75.7	76.2	76.6	76.6	76.7	76.7	76.9	77.3
IV 3000	39.5	58.9	63.2	67.1	72.1	73.0	75.2	76.0	76.4	76.9	77.2	77.3	77.3	77.3	77.6	78.0
IV 2500	39.9	59.9	64.6	68.5	73.5	74.4	76.7	77.6	78.0	78.5	78.9	78.9	79.1	79.1	79.2	79.6
IV 2000	40.4	60.8	65.8	69.9	75.2	76.2	78.5	79.4	79.8	80.3	80.7	80.7	80.9	80.9	81.0	81.4
IV 1800	40.4	61.0	66.0	70.1	75.5	76.4	78.7	79.4	80.0	80.5	80.9	80.9	81.0	81.0	81.2	81.6
IV 1500	40.6	61.9	67.1	71.4	76.7	77.4	80.1	81.0	81.4	81.9	82.3	82.3	82.5	82.5	82.6	83.0
IV 1200	40.6	62.1	67.8	72.3	77.8	78.9	81.6	82.5	82.8	83.4	83.7	83.7	83.9	83.9	84.1	84.4
IV 1000	40.8	63.1	69.2	73.9	79.4	80.7	83.2	84.4	85.0	85.7	86.0	86.0	86.2	86.2	86.4	86.8
IV 900	40.8	63.1	69.2	73.9	79.4	81.0	84.1	85.2	85.8	86.2	86.6	86.6	86.8	86.8	86.9	87.3
IV 800	41.1	63.5	69.8	74.6	80.5	82.3	85.2	86.4	86.9	87.7	88.2	88.2	88.4	88.4	88.6	88.9
IV 700	41.1	63.5	69.9	75.1	81.4	83.4	86.6	87.8	88.4	89.1	89.6	89.6	89.8	89.8	90.0	90.3
IV 600	41.1	63.5	69.9	75.1	81.4	83.5	87.1	88.3	89.2	90.2	90.9	91.4	91.4	91.6	91.8	92.1
IV 500	41.1	63.7	70.2	75.5	81.9	84.6	88.6	89.9	92.8	93.9	94.6	94.6	95.2	95.2	95.3	95.7
IV 400	41.1	63.7	70.2	75.8	82.3	85.0	89.2	92.8	93.7	95.0	95.7	95.7	96.2	96.2	96.4	97.0
IV 300	41.1	63.7	70.5	75.8	82.5	85.2	89.4	93.2	94.1	95.5	96.2	96.2	97.0	97.0	97.3	97.7
IV 200	41.1	63.7	70.5	75.8	82.5	85.2	89.4	93.2	94.1	95.5	96.4	96.4	97.5	97.7	98.2	98.7
IV 100	41.1	63.7	70.5	75.8	82.5	85.3	89.6	93.4	94.3	95.7	96.6	96.6	97.7	97.9	98.4	99.1
IV 0	41.1	63.7	70.5	75.8	82.5	85.3	89.6	93.4	94.3	95.7	96.6	96.6	97.7	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS IL S

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	28.1	42.5	46.9	49.5	52.3	53.0	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	30.3	45.7	50.4	53.7	56.7	57.5	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 18000	30.3	45.8	50.5	53.8	56.8	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 16000	30.3	45.8	50.5	53.8	56.8	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 14000	30.6	46.5	51.2	54.5	57.5	58.3	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	31.0	47.3	52.0	55.3	58.2	59.1	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 10000	32.1	49.3	54.3	57.6	60.6	61.5	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 9000	32.2	49.4	54.4	57.9	60.9	61.8	62.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	33.2	51.5	56.7	60.5	63.6	64.5	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 7000	33.7	52.7	57.9	61.7	64.8	65.8	65.9	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	34.6	54.6	59.6	63.9	67.0	67.9	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 5000	35.6	56.5	62.2	66.4	69.6	70.5	70.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	35.6	56.7	62.5	66.8	70.0	70.9	71.2	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4000	37.0	59.1	65.1	69.6	72.7	73.6	73.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500	37.6	60.3	66.4	71.2	74.6	75.7	76.0	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3000	38.5	61.8	67.9	72.7	76.1	77.2	77.6	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	39.1	63.0	69.3	74.0	78.0	79.1	79.5	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2000	39.7	64.0	70.2	75.0	78.9	80.0	80.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 1800	39.7	64.7	70.9	75.7	79.6	80.7	81.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1500	40.1	65.8	72.0	77.0	81.3	82.3	82.7	83.7	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	40.1	66.4	72.8	78.1	82.5	83.6	84.2	85.2	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1000	40.1	67.5	73.9	79.8	84.2	85.3	86.0	87.0	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 900	40.1	67.5	74.0	80.0	84.8	86.1	86.8	87.8	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 800	40.4	68.6	75.2	81.3	86.3	88.5	89.3	90.2	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 700	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 600	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 500	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 300	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 200	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 100	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 0	40.4	68.6	75.4	81.5	86.5	89.5	90.4	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.0	47.6	49.7	51.0	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	36.3	53.3	55.5	57.1	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 18000	36.3	53.3	55.5	57.4	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	36.3	53.3	55.5	57.4	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	36.3	54.0	56.2	57.8	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	37.6	55.5	57.7	59.4	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 10000	40.2	58.9	61.4	63.1	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 9000	40.6	59.9	62.4	64.1	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	41.1	62.8	65.5	67.4	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	41.9	64.2	66.9	68.9	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	42.4	65.5	68.4	70.9	71.8	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 5000	42.4	66.7	69.6	72.3	73.2	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4500	43.6	67.0	70.0	72.7	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	46.0	70.5	73.8	76.6	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500	48.1	73.6	77.5	80.3	81.6	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3000	49.1	74.8	78.6	81.4	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	49.5	76.0	79.9	82.8	84.2	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	50.3	77.8	81.8	84.9	86.5	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.4	87.4	87.4
IV 1800	50.5	78.1	82.1	85.2	86.8	87.1	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7
IV 1500	50.9	79.2	83.4	86.5	88.2	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2
IV 1200	51.3	80.3	84.6	87.9	89.9	90.2	90.6	90.8	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3
IV 1000	51.3	80.7	85.2	89.6	92.1	92.5	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9
IV 900	51.3	80.7	85.2	89.7	92.5	93.1	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
IV 800	51.3	80.9	85.3	90.2	93.3	94.0	95.0	95.4	95.7	95.7	95.8	95.8	95.8	96.0	96.0	96.0
IV 700	51.3	81.0	85.4	90.6	94.0	94.9	95.8	96.3	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8
IV 600	51.5	81.4	85.9	91.0	94.6	95.4	96.5	97.1	97.6	98.2	98.3	98.3	98.3	98.5	98.5	98.5
IV 500	51.5	81.4	86.0	91.1	94.7	95.7	97.1	97.8	98.3	99.0	99.3	99.3	99.3	99.4	99.4	99.4
IV 400	51.5	81.4	86.0	91.1	94.7	95.8	97.2	97.9	98.5	99.2	99.4	99.4	99.4	99.6	99.6	99.6
IV 300	51.5	81.6	86.1	91.3	94.9	96.0	97.4	98.2	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9
IV 200	51.5	81.6	86.1	91.3	94.9	96.0	97.4	98.2	98.8	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	51.5	81.6	86.1	91.3	94.9	96.0	97.4	98.2	98.8	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	51.5	81.6	86.1	91.3	94.9	96.0	97.4	98.2	98.8	99.6	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

UGT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.9	48.9	50.8	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 20000	40.5	54.8	57.2	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	40.6	54.9	57.5	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 16000	40.6	54.9	57.5	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	40.8	57.2	57.8	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	41.9	56.7	59.2	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 10000	44.0	60.3	63.3	64.0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 9000	44.6	61.1	64.1	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	45.2	62.9	65.9	66.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000	46.7	65.6	68.6	69.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	47.3	66.7	69.7	70.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 5000	48.7	69.2	72.5	73.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	49.7	71.1	74.6	75.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4000	55.4	77.6	81.1	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	56.5	79.7	83.8	84.6	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	57.3	81.4	85.6	86.3	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500	57.8	84.3	88.4	89.2	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	58.1	85.2	89.8	90.8	92.1	92.1	92.1	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1800	58.1	85.2	90.0	91.0	92.2	92.2	92.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	58.4	85.6	90.2	91.4	92.7	92.7	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	58.4	86.2	91.1	92.2	93.7	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	58.4	86.3	91.2	92.7	94.4	94.8	95.2	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	58.4	86.3	91.3	92.9	94.8	95.2	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	58.4	86.7	91.6	93.5	95.6	96.2	97.1	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	58.4	86.7	91.7	93.7	95.7	96.3	97.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	58.4	86.8	91.8	93.8	95.9	96.5	97.9	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	58.4	86.8	91.9	93.8	95.9	96.5	98.1	98.6	98.6	99.2	99.2	99.2	99.2	99.4	99.4	99.4
IV 400	58.4	86.8	91.9	93.8	95.9	96.5	98.1	98.6	98.6	99.5	99.5	99.5	99.5	99.7	99.7	99.7
IV 300	58.4	86.8	91.9	93.8	95.9	96.5	98.1	98.6	98.6	99.5	99.5	99.5	99.5	99.7	99.7	99.8
IV 200	58.4	86.8	91.9	93.8	95.9	96.5	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0
IV 100	58.4	86.8	91.9	93.8	95.9	96.5	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0
IV 0	58.4	86.8	91.9	93.8	95.9	96.5	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-75

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.3 54.5	60.4 63.0	62.7 65.2	62.8 65.4	63.0 65.6	63.0 65.6	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2	63.6 66.2
IV 18000 IV 16000	54.5 54.5	63.0 63.0	65.2 65.2	65.4 65.4	65.6 65.6	65.6 65.6	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2	66.2 66.2
IV 14000 IV 12000	55.6 56.0	64.1 64.9	66.4 67.1	66.5 67.3	66.7 67.5	66.7 67.5	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0	67.3 68.0
IV 10000 IV 9000	57.1 57.7	67.7 68.2	69.9 70.4	70.1 70.6	70.8 71.3	70.8 71.3	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9	71.3 71.9
IV 8000 IV 7000	59.0 60.6	70.4 72.5	72.6 74.9	72.8 75.0	73.6 75.8	73.6 75.8	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3	74.1 76.3
IV 6000 IV 5000	62.7 64.1	74.7 77.1	77.1 80.0	77.3 80.2	78.0 81.0	78.0 81.0	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5	78.6 81.5
IV 4500 IV 4000	64.7 66.0	79.2 82.4	81.3 83.5	81.5 83.7	82.3 84.5	82.3 84.5	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0	82.8 85.0
IV 3500 IV 3000	66.5 67.5	82.4 84.8	86.3 88.7	86.5 89.1	87.2 89.8	87.2 89.8	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4	87.8 90.4
IV 2500 IV 2000	67.5 68.0	85.8 87.2	89.8 91.3	90.4 91.9	91.1 93.0	91.1 93.0	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5	91.7 93.5
IV 1800 IV 1500	68.0 68.2	87.2 87.6	91.7 92.1	92.2 92.8	93.3 94.1	93.3 94.1	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6	93.9 94.6
IV 1200 IV 1000	68.4 68.6	88.7 89.4	92.6 93.2	93.3 94.1	94.6 95.7	94.6 95.7	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3	95.2 96.3
IV 900 IV 800	68.5 68.6	88.4 89.4	93.3 93.2	94.6 94.8	96.3 96.5	96.3 96.5	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4	96.9 97.4
IV 700 IV 600	68.6 68.6	89.7 89.7	93.7 93.7	95.2 95.2	96.9 96.9	96.9 96.9	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5
IV 500 IV 400	68.6 68.6	89.7 89.7	93.7 93.7	95.2 95.2	96.9 96.9	96.9 96.9	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3
IV 300 IV 200	68.6 68.6	89.7 89.7	93.7 93.7	95.2 95.2	96.9 96.9	96.9 96.9	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3
IV 100 IV 0	68.6 68.6	89.7 89.7	93.7 93.7	95.2 95.2	96.9 96.9	96.9 96.9	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3

TOTAL NUMBER OF OBSERVATIONS

541

USAF ETAC

FORM
JUL 64

0-14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-74

YEARS

DOY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	55.2	61.2	64.1	64.1	64.1	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	56.6	63.3	66.2	66.2	66.2	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 18000	57.7	64.4	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	57.7	64.4	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	58.4	65.1	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	59.4	66.5	69.4	69.4	69.4	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	61.6	68.7	71.5	71.5	71.9	72.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000	61.9	69.0	71.9	71.9	72.2	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	64.1	72.2	75.1	75.1	75.4	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 7000	65.5	73.7	76.5	76.5	76.9	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 6000	66.9	75.1	77.9	77.9	78.3	78.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	68.3	76.5	80.8	80.8	81.5	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	68.3	77.2	81.9	81.9	82.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	70.1	79.7	84.2	84.2	85.1	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	70.5	80.1	84.7	84.7	85.4	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	71.9	84.0	88.6	88.6	89.3	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	71.9	85.4	90.0	90.0	90.7	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	72.2	86.1	90.7	90.7	91.5	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800	72.2	86.1	90.7	90.7	91.5	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	72.2	86.1	90.7	91.5	92.2	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	72.2	86.1	91.1	91.8	92.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	73.0	86.8	92.2	94.0	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	73.0	86.8	92.2	94.7	95.7	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	73.0	87.2	93.2	95.0	96.1	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	73.0	87.2	93.2	95.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	73.0	87.2	93.2	95.4	96.4	96.8	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	73.0	87.2	93.2	95.4	96.4	96.8	98.2	98.6	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	73.0	87.2	93.2	95.4	96.4	96.8	98.6	98.6	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	73.0	87.2	93.2	95.4	96.4	96.8	98.6	98.6	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.0	87.2	93.2	95.4	96.4	96.8	98.6	98.6	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.0	87.2	93.2	95.4	96.4	96.8	98.6	98.6	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.0	87.2	93.2	95.4	96.4	96.8	98.6	98.6	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

281

USAF ETAC

FURY
JUL 64

0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93746

MARTIN MARETTA AIRFIELD MD

70-76

YEARS

ALL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (151)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	30.8	48.9	51.7	53.0	54.4	54.7	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.3
≥ 18000	39.5	52.8	55.9	57.4	58.9	59.2	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9
IV 16000	39.7	53.0	56.1	57.7	59.2	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
IV 14000	40.0	53.6	56.6	58.3	59.8	60.0	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7
IV 12000	40.8	54.7	57.9	59.5	61.0	61.3	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
IV 10000	42.5	57.5	60.9	62.6	64.3	64.6	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.5
IV 9000	42.9	58.1	61.5	63.2	64.9	65.2	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	44.0	60.5	63.9	65.8	67.7	68.0	68.5	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9
IV 7000	44.9	62.1	65.5	67.5	69.4	69.7	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
IV 6000	45.6	63.6	67.1	69.1	71.1	71.5	72.1	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.6
IV 5000	47.2	65.7	69.3	71.7	73.7	74.1	74.7	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3
IV 4500	47.5	66.3	70.4	72.7	74.6	75.0	75.6	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2
IV 4000	49.8	69.6	73.8	76.1	78.1	78.5	79.1	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.8
IV 3500	50.7	71.4	75.9	78.2	80.4	80.9	81.5	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.2
IV 3000	51.5	73.0	77.5	79.9	82.1	82.6	83.2	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.9
IV 2500	51.9	74.4	79.1	81.6	83.9	84.4	85.0	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.8
IV 2000	52.4	75.7	80.5	83.0	85.3	85.8	86.4	86.7	87.0	87.1	87.3	87.3	87.3	87.4	87.4	87.5
IV 1800	52.5	75.9	80.8	83.3	85.7	86.1	86.6	87.0	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.8
IV 1500	52.8	76.6	81.1	83.6	86.0	86.5	87.0	87.5	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.3
IV 1200	52.9	77.7	82.4	85.3	88.0	88.5	89.0	89.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.3
IV 1000	53.0	77.8	83.1	86.6	89.6	90.2	91.2	91.6	91.8	92.0	92.1	92.1	92.1	92.2	92.2	92.3
IV 900	53.0	77.8	83.3	86.9	90.1	90.8	91.9	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7
IV 800	53.1	78.2	83.7	87.5	90.9	91.9	92.2	93.7	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.3
IV 700	53.1	78.3	83.9	87.8	91.4	92.6	92.6	94.6	94.7	95.0	95.1	95.1	95.2	95.2	95.2	95.3
IV 600	53.1	78.4	84.0	88.0	91.5	92.8	92.8	95.3	95.6	96.2	96.3	96.3	96.4	96.4	96.4	96.5
IV 500	53.1	78.5	84.1	88.1	91.6	92.8	92.8	96.5	96.9	97.6	97.6	97.6	97.9	98.0	98.0	98.1
IV 400	53.1	78.5	84.2	88.2	92.0	92.9	92.9	97.0	97.3	98.2	98.4	98.4	98.5	98.7	98.7	98.8
IV 300	53.1	78.5	84.2	88.2	92.0	92.9	92.9	97.2	97.6	98.5	98.6	98.6	98.8	99.1	99.2	99.3
IV 200	53.1	78.5	84.2	88.2	92.0	92.9	92.9	97.3	97.6	98.6	98.6	98.6	98.8	99.1	99.2	99.3
IV 100	53.1	78.5	84.2	88.2	92.0	92.9	92.9	97.3	97.6	98.6	98.6	98.6	98.8	99.1	99.2	99.3
IV 0	53.1	78.5	84.2	88.2	92.0	92.9	92.9	97.3	97.6	98.6	98.6	98.6	98.8	99.1	99.2	99.3

TOTAL NUMBER OF OBSERVATIONS 2471

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

20-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	25.4	42.4	44.7	45.9	46.8	46.8	47.1	47.1	47.1	47.1	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	26.6	43.4	47.7	48.9	49.8	49.8	50.5	50.5	50.5	50.5	51.4	51.4	51.7	51.7	51.7	52.3
IV 18000	20.6	44.4	47.7	48.9	49.8	49.8	50.5	50.5	50.5	50.5	51.4	51.4	51.7	51.7	51.7	52.3
IV 16000	26.6	44.4	47.7	48.9	49.8	49.8	50.5	50.5	50.5	50.5	51.4	51.4	51.7	51.7	51.7	52.3
IV 14000	20.6	44.4	48.0	49.2	50.2	50.2	50.8	50.8	50.8	50.8	51.7	51.7	52.0	52.0	52.0	52.6
IV 12000	27.8	45.7	49.9	50.8	51.7	52.0	52.6	52.6	52.6	52.6	53.5	53.5	53.8	53.8	53.8	54.4
IV 10000	29.0	48.6	52.9	54.4	56.2	56.8	57.4	57.4	57.4	57.4	58.3	58.3	58.6	58.6	58.6	59.2
IV 9000	29.0	49.2	53.5	55.0	56.8	57.4	58.0	58.0	58.0	58.0	58.9	58.9	59.2	59.2	59.2	59.8
IV 8000	30.2	52.3	56.8	58.3	60.1	60.7	61.3	61.3	61.3	61.3	62.2	62.2	62.5	62.5	62.5	63.1
IV 7000	30.8	53.5	58.0	59.5	61.3	61.9	62.5	62.5	62.5	62.5	63.4	63.4	63.7	63.7	63.7	64.4
IV 6000	31.7	55.9	60.7	62.2	64.0	64.7	65.3	65.3	65.3	65.3	66.2	66.2	66.5	66.5	66.5	67.1
IV 5000	33.5	59.5	64.4	66.2	68.1	68.6	69.2	69.2	69.2	69.2	70.1	70.1	70.4	70.4	70.4	71.0
IV 4500	34.4	61.7	65.9	67.7	69.5	70.1	70.7	70.7	70.7	70.7	71.6	71.6	71.9	71.9	71.9	72.5
IV 4000	36.2	63.1	68.0	71.3	73.1	73.7	74.3	74.3	74.3	74.3	75.2	75.2	75.5	75.5	75.5	76.1
IV 3500	30.3	67.7	69.2	71.9	73.7	74.3	74.9	74.9	74.9	74.9	75.8	75.8	76.1	76.1	76.1	76.7
IV 3000	30.6	64.7	70.1	72.8	74.9	75.5	76.1	76.1	76.1	76.1	77.0	77.0	77.3	77.3	77.3	77.9
IV 2500	37.8	66.5	72.2	75.7	77.3	77.9	78.5	78.5	78.5	78.5	79.3	79.3	79.8	80.1	80.1	80.7
IV 2000	37.8	66.8	72.2	76.1	78.2	79.2	79.8	79.8	79.8	79.8	80.7	80.7	81.0	81.3	81.3	82.0
IV 1800	37.8	66.8	72.2	76.1	78.2	79.2	79.8	79.8	79.8	79.8	80.7	80.7	81.0	81.3	81.3	82.0
IV 1500	38.1	67.4	73.1	77.0	79.2	80.1	80.7	80.7	80.7	80.7	81.6	81.6	82.0	82.2	82.2	83.4
IV 1200	38.1	67.7	73.4	77.3	80.1	81.0	81.6	81.6	81.6	81.6	82.5	82.5	82.8	83.1	83.1	84.3
IV 1000	38.1	68.3	74.0	78.9	81.6	82.5	83.1	83.1	83.1	83.1	84.0	84.0	84.9	85.2	85.2	86.7
IV 900	38.1	68.3	74.0	78.9	81.6	82.5	83.1	83.1	83.1	83.1	84.0	84.0	84.9	85.2	85.2	86.7
IV 800	38.1	68.3	74.0	78.9	81.6	82.5	83.1	83.1	83.1	83.1	84.0	84.0	84.9	85.2	85.2	86.7
IV 700	38.4	68.6	74.9	79.8	83.1	84.0	84.6	84.6	84.6	84.6	85.5	85.5	86.1	86.1	86.1	87.3
IV 600	38.4	68.6	74.9	79.8	83.1	84.0	84.6	84.6	84.6	84.6	85.5	85.5	86.1	86.1	86.1	87.3
IV 500	38.4	69.2	75.8	80.7	84.3	85.8	86.7	86.7	86.7	86.7	87.3	87.3	88.0	88.0	88.0	89.5
IV 400	38.4	69.2	75.8	80.7	84.3	85.8	86.7	86.7	86.7	86.7	87.3	87.3	88.0	88.0	88.0	89.5
IV 300	38.4	69.2	75.8	80.7	84.3	85.8	86.7	86.7	86.7	86.7	87.3	87.3	88.0	88.0	88.0	89.5
IV 200	38.4	69.2	75.8	80.7	84.3	85.8	86.7	86.7	86.7	86.7	87.3	87.3	88.0	88.0	88.0	89.5
IV 100	38.4	69.2	75.8	80.7	84.3	85.8	86.7	86.7	86.7	86.7	87.3	87.3	88.0	88.0	88.0	89.5
IV 0	38.4	69.2	75.8	80.7	84.3	85.8	86.7	86.7	86.7	86.7	87.3	87.3	88.0	88.0	88.0	89.5

TOTAL NUMBER OF OBSERVATIONS 331

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

10-74

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	29.0	41.6	43.3	44.2	45.3	45.6	45.6	46.4	46.4	46.6	46.6	46.8	46.8	46.8	46.8	46.8
≥ 20000	31.5	46.1	48.2	49.2	50.0	50.8	50.8	51.6	51.6	51.9	51.9	52.1	52.2	52.2	52.2	52.2
≥ 18000	31.6	46.2	48.4	49.4	50.0	50.9	50.9	51.8	51.8	52.1	52.1	52.2	52.4	52.4	52.4	52.4
≥ 16000	31.6	46.2	48.4	49.4	50.0	50.9	50.9	51.8	51.8	52.1	52.1	52.2	52.4	52.4	52.4	52.4
≥ 14000	32.9	47.9	49.9	51.2	52.8	52.9	52.9	53.8	53.8	54.1	54.1	54.2	54.4	54.4	54.4	54.4
≥ 12000	34.0	49.2	51.4	52.6	54.2	54.4	54.4	55.2	55.2	55.5	55.5	55.7	55.8	55.8	55.8	55.8
≥ 10000	36.3	53.1	55.7	57.7	59.5	59.7	59.7	60.5	60.5	60.8	60.8	60.9	61.1	61.1	61.1	61.1
≥ 9000	36.3	53.6	56.2	58.2	60.1	60.2	60.2	61.1	61.1	61.4	61.4	61.5	61.7	61.7	61.7	61.7
≥ 8000	37.9	56.9	59.8	61.9	63.8	63.9	63.9	64.8	64.8	65.1	65.1	65.2	65.4	65.4	65.4	65.4
≥ 7000	38.2	58.2	62.1	64.2	66.1	66.2	66.2	67.1	67.1	67.4	67.4	67.5	67.7	67.7	67.7	67.7
≥ 6000	38.8	60.1	63.4	65.5	67.7	67.8	67.8	68.7	68.7	69.0	69.0	69.1	69.2	69.2	69.2	69.2
≥ 5000	39.3	61.2	65.2	67.4	69.5	69.8	69.8	70.8	70.8	71.1	71.1	71.2	71.4	71.4	71.4	71.4
≥ 4500	41.1	63.4	67.0	69.2	71.5	71.8	71.8	72.8	72.8	73.1	73.1	73.2	73.4	73.4	73.4	73.4
≥ 4000	42.4	65.4	69.1	71.7	74.0	74.2	74.2	75.3	75.3	75.7	75.7	75.8	76.0	76.0	76.0	76.0
≥ 3500	43.6	66.7	70.4	73.1	75.7	76.0	76.0	77.0	77.0	77.4	77.4	77.5	77.7	77.7	77.7	77.7
≥ 3000	44.5	68.4	72.1	75.3	78.4	78.7	78.7	79.7	79.7	80.1	80.1	80.3	80.4	80.4	80.4	80.4
≥ 2500	45.4	69.7	73.7	77.1	80.7	81.1	81.1	82.3	82.3	82.8	82.8	83.0	83.1	83.1	83.1	83.3
≥ 2000	45.4	70.2	74.4	77.8	81.4	81.8	81.8	83.0	83.0	83.5	83.5	83.7	83.8	83.8	83.8	84.0
≥ 1800	45.4	70.7	74.4	77.9	81.4	81.8	81.8	83.0	83.0	83.5	83.5	83.7	83.8	83.8	83.8	84.0
≥ 1500	45.5	70.7	75.0	78.5	82.1	82.5	82.5	83.7	83.7	84.3	84.3	84.4	84.5	84.5	84.5	84.7
≥ 1200	45.5	71.4	75.7	79.3	83.1	83.4	83.4	84.7	84.7	85.3	85.3	85.4	85.6	85.6	85.6	85.7
≥ 1000	45.5	72.0	76.5	80.1	84.0	84.5	84.5	86.1	86.1	86.7	86.7	86.8	87.0	87.0	87.0	87.1
≥ 900	45.5	72.1	76.7	80.3	84.1	84.7	84.7	86.4	86.4	87.0	87.0	87.1	87.3	87.3	87.3	87.4
≥ 800	45.5	72.1	77.1	80.7	84.5	85.4	85.4	87.4	87.4	88.0	88.0	88.1	88.3	88.3	88.3	88.4
≥ 700	45.5	72.4	77.7	81.4	86.0	87.1	87.1	89.7	89.7	90.3	90.3	90.4	90.6	90.6	90.7	90.9
≥ 600	45.5	72.4	78.1	82.1	87.0	88.7	88.7	91.0	91.0	92.0	92.0	92.1	92.3	92.3	92.4	92.6
≥ 500	45.5	72.4	78.1	82.0	86.7	88.7	88.7	93.1	93.1	94.3	94.3	94.4	94.6	94.7	94.8	95.0
≥ 400	45.5	72.4	78.1	82.0	87.3	89.3	89.3	94.0	94.0	95.9	95.9	96.2	96.6	96.7	96.8	97.0
≥ 300	45.5	72.4	78.1	82.1	87.6	89.6	89.6	94.4	94.4	96.4	96.4	97.1	97.9	97.9	98.0	98.4
≥ 200	45.5	72.4	78.1	82.1	87.6	89.6	89.6	94.7	94.7	96.7	96.7	97.4	98.4	98.4	98.7	99.4
≥ 100	45.5	72.4	78.1	82.1	87.6	89.6	89.6	94.7	94.7	96.7	96.7	97.4	98.4	98.4	98.7	100.0
≥ 0	45.5	72.4	78.1	82.1	87.6	89.6	89.6	94.7	94.7	96.7	96.7	97.4	98.4	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 699

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.2	41.3	41.8	42.8	43.2	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	35.7	45.4	46.0	47.0	47.7	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 18000	35.7	45.7	46.4	47.4	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 16000	35.7	45.7	46.4	47.4	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 14000	36.4	47.3	48.1	49.1	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	37.7	49.3	50.1	51.2	51.9	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 10000	39.9	53.8	54.8	56.4	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 9000	40.5	54.6	55.6	57.4	58.4	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 8000	42.9	58.4	59.7	61.8	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 7000	43.1	58.8	60.1	62.3	63.4	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	44.1	60.5	61.8	64.0	65.2	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 5000	45.5	62.6	64.2	66.9	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 4500	47.5	65.3	67.1	69.7	70.6	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4000	51.3	69.4	71.2	73.8	75.2	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3500	54.2	72.8	74.9	77.5	79.3	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3000	55.2	74.9	77.2	80.1	81.9	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	55.6	75.9	78.5	81.4	83.2	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	55.9	76.7	79.3	82.4	84.4	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1800	55.9	76.9	79.5	82.7	84.7	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1500	55.9	77.7	80.5	84.1	86.3	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	55.9	78.0	80.8	84.7	87.0	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	55.9	78.0	80.8	85.0	87.4	88.4	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	55.9	78.0	80.8	85.0	87.7	88.7	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 800	55.9	78.2	80.9	85.7	88.7	90.0	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 700	55.9	78.2	81.1	86.0	89.7	91.3	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 600	55.9	78.2	81.2	86.4	90.9	93.4	94.2	94.9	94.9	94.9	95.2	95.4	95.4	95.4	95.4	95.4
IV 500	55.9	78.2	81.2	86.4	90.9	93.8	95.2	96.5	96.5	96.5	97.3	98.0	98.0	98.1	98.1	98.1
IV 400	55.9	78.3	81.4	86.6	91.2	94.1	95.5	97.1	97.1	97.1	98.0	98.7	98.7	99.0	99.1	99.1
IV 300	56.1	78.3	81.4	86.6	91.2	94.1	95.5	97.1	97.1	97.1	98.0	98.8	98.8	99.3	99.4	99.4
IV 200	56.1	78.3	81.4	86.6	91.2	94.1	95.5	97.1	97.1	97.1	98.0	98.8	98.8	99.3	99.4	99.4
IV 100	56.1	78.3	81.4	86.6	91.2	94.1	95.5	97.1	97.1	97.1	98.0	98.8	98.8	99.3	99.4	99.4
IV 0	56.1	78.3	81.4	86.6	91.2	94.1	95.5	97.1	97.1	97.1	98.0	98.8	98.8	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 692

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	37.4	43.3	44.2	45.0	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 20000	42.0	49.3	50.4	51.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 18000	42.2	49.6	50.7	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 16000	42.2	49.6	50.7	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	42.8	50.7	51.8	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 12000	44.1	52.9	54.0	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	45.7	57.3	58.8	60.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	46.6	58.6	60.0	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 8000	49.0	61.3	62.9	64.8	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000	49.8	63.0	64.6	66.5	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	50.7	64.8	66.4	68.7	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 5000	51.7	66.8	68.4	70.9	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 4500	53.9	69.5	71.2	73.8	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	57.2	72.8	74.6	77.1	79.1	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3500	58.5	74.7	76.5	79.0	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 3000	59.6	76.3	78.0	80.6	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	60.0	77.9	80.1	82.8	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	60.2	78.7	81.2	83.9	86.6	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	60.2	78.7	81.4	84.0	86.7	86.9	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1500	60.8	79.5	82.1	85.2	88.3	88.5	88.9	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200	60.8	79.5	82.1	85.3	88.8	88.9	89.6	89.7	89.9	90.0	90.2	90.2	90.2	90.2	90.2
IV 1000	61.0	79.6	82.8	85.9	89.4	89.6	90.2	90.5	90.7	90.8	91.0	91.0	91.0	91.0	91.0
IV 900	61.0	79.9	83.1	86.6	90.0	90.2	91.0	91.3	91.5	91.6	91.8	91.8	91.8	91.8	91.8
IV 800	61.0	79.9	83.4	86.9	90.7	91.0	91.9	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7
IV 700	61.0	79.9	83.6	87.0	91.0	91.3	92.4	92.7	92.9	93.0	93.4	93.4	93.5	93.5	93.5
IV 600	61.0	80.1	83.7	87.4	91.3	91.8	93.0	93.4	93.5	94.0	94.5	94.5	94.6	94.6	94.6
IV 500	61.0	80.1	83.7	87.4	91.3	92.3	93.8	95.1	95.3	96.2	96.7	96.7	96.8	96.8	96.8
IV 400	61.0	80.1	83.7	87.4	91.3	92.3	94.8	96.4	96.5	97.9	98.4	98.4	98.6	98.6	98.7
IV 300	61.0	80.1	83.7	87.5	91.5	92.4	94.9	96.5	96.7	98.1	98.6	98.6	98.7	98.7	99.2
IV 200	61.0	80.1	83.7	87.5	91.5	92.4	94.9	96.5	96.7	98.1	98.9	98.9	99.2	99.2	99.8
IV 100	61.0	80.1	83.7	87.5	91.5	92.4	94.9	96.5	96.7	98.1	98.9	98.9	99.2	99.2	100.0
IV 0	61.0	80.1	83.7	87.5	91.5	92.4	94.9	96.5	96.7	98.1	98.9	98.9	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	45.1	50.6	51.2	51.2	51.6	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥20000	48.4	54.9	55.5	55.5	55.9	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥18000	48.8	55.3	55.9	55.9	56.3	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥16000	48.8	55.3	55.9	55.9	56.3	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥14000	49.2	56.3	56.9	56.9	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥12000	50.8	58.4	59.0	59.0	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥10000	53.5	62.7	63.5	63.9	64.5	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥9000	53.7	62.9	63.7	64.1	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥8000	55.5	65.3	66.5	67.1	67.8	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥7000	56.7	66.9	68.2	69.0	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥6000	58.4	68.8	70.0	70.8	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥5000	60.2	70.6	72.0	72.9	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥4500	61.0	71.4	72.9	73.7	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥4000	63.7	75.3	76.7	78.0	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥3500	65.1	77.1	78.6	79.8	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥3000	66.1	79.2	81.0	82.4	83.3	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥2500	67.3	80.6	83.1	84.5	85.3	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥2000	69.2	81.8	85.1	86.5	87.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥1800	68.2	81.8	85.3	86.7	88.0	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥1500	68.4	82.9	86.5	88.2	89.4	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥1200	68.4	82.9	86.5	88.2	89.4	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥1000	68.6	83.1	86.7	88.6	90.2	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥900	68.6	83.1	86.7	88.6	90.4	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥800	68.6	83.1	86.7	89.2	91.2	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥700	68.6	83.1	86.7	89.2	91.2	92.2	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥600	68.6	83.1	86.7	89.4	91.6	92.9	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥500	68.6	83.1	87.1	90.0	92.4	93.9	94.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥400	68.6	83.1	87.1	90.0	92.4	93.9	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥300	68.6	83.1	87.1	90.0	92.4	93.9	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥200	68.6	83.1	87.1	90.0	92.4	93.9	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥100	68.6	83.1	87.1	90.0	92.4	93.9	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0	68.6	83.1	87.1	90.0	92.4	93.9	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS UTC

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	50.7	51.0	55.7	56.2	56.4	56.4	56.4	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	52.5	57.9	58.7	59.2	59.4	59.4	59.4	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	53.2	59.7	59.4	59.9	60.1	60.1	60.1	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 14000	53.2	58.7	59.4	59.9	60.1	60.1	60.1	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	54.0	59.7	60.4	60.9	61.1	61.1	61.1	61.4	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	54.0	59.7	60.4	60.9	61.1	61.1	61.1	61.4	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	58.2	65.3	66.8	67.3	67.6	67.6	67.6	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 8000	58.2	65.3	66.8	67.3	67.6	67.6	67.6	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	59.9	67.1	68.6	69.1	69.3	69.3	69.3	69.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	60.6	68.3	69.8	70.3	70.5	70.5	70.5	70.8	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	62.6	70.5	72.0	72.5	72.8	72.8	72.8	73.0	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	63.6	72.3	74.0	74.5	74.8	74.8	74.8	75.0	75.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	64.1	72.8	74.5	75.0	75.2	75.2	75.2	75.5	75.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	66.8	76.0	78.0	78.5	78.7	78.7	78.7	79.0	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	66.8	76.0	78.0	78.5	78.7	78.7	78.7	79.0	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500	70.3	80.0	82.2	82.9	83.2	83.2	83.2	83.4	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	70.3	80.0	82.2	82.9	83.2	83.2	83.2	83.4	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	70.3	80.0	82.2	82.9	83.2	83.2	83.2	83.4	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	71.0	80.0	82.9	83.7	83.9	83.9	83.9	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	71.0	80.0	82.9	83.7	83.9	83.9	83.9	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1000	71.0	81.9	84.9	86.4	86.6	86.6	86.6	86.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 900	71.3	82.7	85.6	87.1	87.6	87.6	87.6	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 800	71.3	82.7	85.6	87.1	87.6	87.6	87.6	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 700	71.3	82.7	85.6	87.1	87.6	87.6	87.6	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 600	71.5	82.9	86.4	88.6	90.1	90.1	90.1	90.8	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	71.5	82.9	86.4	88.6	90.1	90.1	90.1	90.8	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	71.5	83.2	86.9	89.1	91.6	91.6	91.6	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 300	71.5	83.2	86.9	89.1	91.6	91.6	91.6	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 200	71.5	83.2	86.9	89.1	91.6	91.6	91.6	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 100	71.5	83.2	86.9	89.1	91.6	91.6	91.6	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 0	71.5	83.2	86.9	89.1	91.6	91.6	91.6	92.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93746

MARTIN MARETTA AIRFIELD MD

70-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.3	45.0	46.0	46.8	47.5	47.6	47.6	47.9	47.9	48.0	48.0	48.1	48.1	48.1	48.1	48.1
≥ 20000	39.1	49.2	50.5	51.3	52.1	52.2	52.3	52.6	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.9
IV 18000	39.3	49.5	50.6	51.6	52.4	52.6	52.7	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.2
IV 16000	39.3	49.5	50.8	51.6	52.4	52.6	52.7	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.2
IV 14000	40.0	50.7	52.1	52.9	53.8	53.9	54.0	54.2	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.6
IV 12000	41.2	52.3	53.7	54.5	55.4	55.6	55.6	55.9	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.3
IV 10000	43.5	56.6	58.4	59.6	60.9	61.1	61.2	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.8
IV 9000	43.5	57.2	59.0	60.3	61.6	61.7	61.8	62.1	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4
IV 8000	45.7	60.1	62.2	63.8	65.0	65.3	65.3	65.6	65.6	65.7	65.8	65.8	65.9	65.9	65.9	66.0
IV 7000	46.3	61.5	63.6	65.3	66.7	66.9	67.0	67.2	67.2	67.3	67.4	67.5	67.5	67.5	67.5	67.6
IV 6000	47.4	63.3	65.4	67.2	68.6	68.8	68.9	69.2	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5
IV 5000	48.8	65.4	67.7	69.6	71.0	71.2	71.3	71.6	71.6	71.7	71.8	71.9	71.9	71.9	71.9	72.0
IV 4500	50.1	67.1	69.5	71.4	72.9	73.1	73.2	73.5	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.9
IV 4000	52.9	70.3	72.8	74.9	76.5	76.7	76.9	77.1	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5
IV 3500	54.1	72.0	74.6	76.7	78.4	78.7	78.8	79.1	79.1	79.3	79.3	79.4	79.4	79.4	79.4	79.5
IV 3000	55.2	73.8	76.5	78.9	80.8	81.0	81.2	81.5	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.9
IV 2500	56.0	75.2	78.3	80.8	82.7	83.0	83.2	83.5	83.5	83.7	83.8	83.8	83.9	83.9	83.9	84.0
IV 2000	56.3	75.9	79.2	81.5	84.0	84.4	84.5	84.9	84.9	85.1	85.2	85.2	85.3	85.3	85.3	85.4
IV 1800	56.3	75.9	79.3	82.0	84.1	84.5	84.7	85.0	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.6
IV 1500	56.6	76.7	80.2	83.1	85.4	85.9	86.1	86.5	86.5	86.7	86.8	86.9	86.9	86.9	86.9	87.0
IV 1200	56.6	77.0	80.6	83.6	86.1	86.6	86.9	87.3	87.3	87.5	87.6	87.7	87.8	87.8	87.8	87.9
IV 1000	56.7	77.4	81.1	84.3	86.9	87.5	87.9	88.4	88.5	88.7	88.8	88.9	88.9	88.9	88.9	89.1
IV 900	56.7	77.5	81.2	84.5	87.2	87.8	88.2	88.8	88.8	89.0	89.2	89.2	89.3	89.3	89.3	89.4
IV 800	56.7	77.5	81.4	85.0	87.9	88.7	89.3	90.0	90.0	90.2	90.4	90.4	90.5	90.5	90.5	90.6
IV 700	56.7	77.6	81.7	85.4	88.8	89.7	90.5	91.2	91.3	91.5	91.7	91.8	91.8	91.8	91.8	92.1
IV 600	56.7	77.7	81.9	85.7	89.4	90.7	91.7	92.6	92.9	93.3	93.5	93.6	93.7	93.7	93.7	93.9
IV 500	56.7	77.7	82.1	86.0	89.8	91.3	92.8	94.4	94.6	95.2	95.4	95.5	95.6	95.6	95.6	95.8
IV 400	56.7	77.7	82.1	86.0	90.0	91.6	93.4	95.4	95.6	96.7	97.2	97.3	97.6	97.6	97.6	97.8
IV 300	56.8	77.8	82.1	86.1	90.2	91.8	93.7	95.8	96.0	97.3	97.6	97.9	98.4	98.4	98.6	98.9
IV 200	56.8	77.8	82.1	86.1	90.2	91.8	93.7	95.8	96.1	97.4	98.2	98.2	98.5	98.5	98.9	99.7
IV 100	56.8	77.8	82.1	86.1	90.2	91.8	93.7	95.8	96.1	97.4	98.2	98.2	98.5	98.5	98.9	99.7
IV 0	56.8	77.8	82.1	86.1	90.2	91.8	93.7	95.8	96.1	97.4	98.2	98.2	98.5	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3249

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93766

MARTIN MARIETTA AIRFIELD MD

70-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
LOCAL TIME

CEILING -FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0
NO CEILING ≥ 20000	37.0	44.9	44.9	45.6	46.2	46.2	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	40.2	49.1	49.1	49.7	50.6	50.6	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000	40.5	49.4	49.4	50.0	50.9	50.9	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	40.5	49.4	49.4	50.0	50.9	50.9	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 12000	40.8	49.7	49.7	50.3	51.3	51.3	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000	42.4	51.6	51.6	52.5	53.5	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 9000	44.9	54.1	56.0	57.0	57.9	57.9	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000	45.6	55.7	56.6	57.6	58.5	58.5	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 7000	47.8	59.2	60.4	61.4	62.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	48.7	60.4	61.7	62.7	63.6	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000	50.9	62.7	63.9	64.9	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	53.5	66.5	68.4	70.3	71.2	71.2	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4000	54.7	68.0	69.9	71.8	72.8	72.8	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500	56.3	70.9	72.8	74.7	76.3	76.3	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 3000	57.3	72.2	74.4	76.6	78.2	78.2	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2500	57.6	72.5	75.3	77.5	79.4	79.4	80.4	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0
IV 2000	58.2	73.4	77.5	80.1	82.3	82.3	83.2	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	58.2	73.4	78.2	80.7	83.2	83.2	84.2	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	58.2	74.1	78.8	81.3	84.2	84.2	85.1	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	58.5	75.3	80.7	83.2	86.1	86.1	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	58.5	75.3	80.7	83.2	86.1	86.1	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	58.9	76.6	82.0	84.5	87.7	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	58.9	76.6	82.0	84.5	87.7	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	58.9	76.6	82.6	85.4	88.9	88.9	89.2	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9
IV 600	58.9	76.6	82.6	85.4	88.9	88.9	89.2	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9
≥ 500	58.9	76.9	83.2	86.1	89.9	89.9	90.5	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7
IV 400	58.9	76.9	83.2	86.1	89.9	89.9	90.5	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300	58.9	76.9	83.5	86.4	90.2	90.2	90.8	92.7	94.0	94.6	94.6	94.6	94.6	94.6	94.6
IV 200	58.9	76.9	83.5	86.4	90.2	90.2	90.8	92.7	94.0	94.6	94.6	94.6	94.6	94.6	94.6
≥ 100	58.9	76.9	83.5	86.4	90.2	90.2	90.8	92.7	94.0	94.6	94.6	94.6	94.6	94.6	94.6
IV 0	58.9	76.9	83.5	86.4	90.2	90.2	90.8	92.7	94.0	94.6	94.6	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS

316

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AF

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥16	≥1	≥0
NO CEILING	32.4	41.6	42.2	42.6	43.0	43.0	43.2	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5	43.5
N 20000	35.9	46.2	47.3	47.6	48.0	48.3	48.5	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8
N 18000	36.0	46.4	47.4	47.7	48.2	48.5	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9
N 16000	36.0	46.4	47.4	47.7	48.2	48.5	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9
N 14000	36.8	47.4	48.5	48.8	49.2	49.5	49.7	49.8	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0
N 12000	38.4	49.2	50.3	50.6	51.1	51.4	51.5	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
N 10000	40.7	53.3	54.7	55.3	55.8	56.1	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.7
N 9000	41.5	54.3	55.6	56.2	56.8	57.4	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.1
N 8000	43.0	57.3	58.8	59.6	60.2	60.8	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.4
N 7000	43.8	58.8	60.2	61.4	62.0	62.6	62.8	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.2
N 6000	45.0	60.8	62.3	63.4	64.0	64.6	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.2
N 5000	46.7	64.7	66.7	68.1	68.3	69.5	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	70.1
N 4500	47.6	66.0	67.9	69.3	70.1	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.3
N 4000	50.3	71.3	73.7	75.2	76.0	76.6	76.7	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.2
N 3500	51.2	72.3	74.8	76.7	77.5	78.4	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.2
N 3000	51.7	73.4	76.2	78.2	79.2	80.4	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.2
N 2500	52.0	74.8	77.7	79.9	80.9	82.1	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	83.0
N 2000	52.0	75.2	78.4	80.7	81.4	83.1	83.6	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.2
N 1800	52.0	75.4	78.6	80.9	81.9	83.3	83.7	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.3
N 1500	52.0	75.7	79.0	81.3	82.5	84.0	84.5	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.1
N 1200	52.0	76.6	79.9	82.4	83.6	85.1	85.7	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.5
N 1000	52.0	76.7	80.4	83.0	84.3	86.2	87.1	87.4	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.8
N 900	52.1	77.1	80.7	83.3	84.7	86.8	87.4	87.7	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.1
N 800	52.1	77.5	81.3	83.9	85.2	88.1	88.2	89.5	89.5	89.7	90.1	90.1	90.1	90.1	90.1	90.2
N 700	52.3	77.5	81.5	84.7	87.1	89.2	90.3	90.9	91.2	91.3	91.8	91.8	91.8	91.8	91.8	91.9
N 600	52.3	77.5	81.5	84.7	87.1	89.2	90.7	91.9	92.2	92.4	93.2	93.2	93.2	93.2	93.2	93.5
N 500	52.3	77.5	82.2	85.0	87.5	89.7	91.0	93.2	93.5	94.1	95.3	95.3	95.3	95.4	95.4	95.6
N 400	52.3	77.5	82.2	85.0	87.5	89.8	92.1	93.4	94.1	95.0	96.4	96.4	96.4	96.8	96.8	97.0
N 300	52.3	77.5	82.2	85.0	87.5	90.0	92.2	93.8	94.2	95.4	97.0	97.1	97.1	97.7	97.7	97.9
N 200	52.3	77.5	82.2	85.0	87.5	90.0	92.2	93.8	94.2	95.4	97.0	97.1	97.1	97.7	97.7	98.0
N 100	52.3	77.5	82.2	85.0	87.5	90.0	92.2	93.8	94.2	95.4	97.0	97.1	97.1	97.7	97.7	98.2
N 0	52.3	77.5	82.2	85.0	87.5	90.0	92.2	93.8	94.2	95.4	97.0	97.1	97.1	97.7	97.7	98.2

TOTAL NUMBER OF OBSERVATIONS 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-76

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING ≥ 20000	34.1	41.8	42.8	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 18000	37.2	46.5	47.7	48.2	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 16000	37.8	47.1	48.4	48.8	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 14000	37.9	47.3	48.5	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 12000	38.6	48.1	49.3	49.8	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 10000	39.5	49.9	51.2	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 9000	42.1	54.0	55.8	56.5	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 8000	42.5	54.4	56.2	56.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 7000	43.4	56.3	58.2	59.1	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 6000	44.2	57.4	59.3	60.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000	44.9	58.5	60.5	61.4	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 4500	47.9	63.0	65.2	66.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4000	49.9	65.8	68.0	69.1	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 3500	53.2	70.9	73.3	74.8	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3000	54.4	73.1	75.4	77.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	55.5	74.5	76.8	78.5	79.8	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2000	56.5	75.6	78.1	79.9	81.2	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1800	56.8	76.7	79.3	81.3	83.4	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1500	56.9	76.8	79.5	81.5	83.5	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1200	57.1	77.3	80.1	82.1	84.3	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1000	57.1	77.6	80.6	82.6	85.4	85.8	86.0	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 900	57.1	77.8	80.9	83.0	86.2	86.8	87.1	87.2	87.2	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 800	57.1	77.8	80.9	83.0	86.2	86.9	87.2	87.4	87.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9
IV 700	57.1	78.2	81.8	84.0	87.4	88.2	89.0	89.1	89.1	89.7	90.2	90.2	90.2	90.2	90.2	90.2
IV 600	57.1	78.4	82.4	84.9	88.3	89.3	90.4	91.0	91.0	91.8	92.4	92.4	92.4	92.4	92.4	92.4
IV 500	57.1	78.4	82.6	85.1	89.0	90.0	91.3	92.4	92.4	93.6	94.4	94.4	94.9	94.9	94.9	94.9
IV 400	57.1	78.7	82.9	85.4	89.3	90.7	92.2	93.5	93.8	95.3	96.3	96.3	97.2	97.2	97.2	97.2
IV 300	57.1	78.7	82.9	85.4	89.3	90.7	92.4	93.8	94.1	96.1	97.2	97.2	98.3	98.4	98.4	98.4
IV 200	57.1	78.7	82.9	85.4	89.3	90.7	92.4	93.8	94.1	96.3	97.4	97.4	98.6	98.8	98.9	99.4
IV 100	57.1	78.7	82.9	85.4	89.3	90.7	92.4	93.8	94.1	96.3	97.4	97.4	98.6	98.9	99.1	99.8
IV 0	57.1	78.7	82.9	85.4	89.3	90.7	92.4	93.8	94.1	96.3	97.4	97.4	98.6	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

643

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-7d

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	39.3	43.5	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	43.3	49.2	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000	43.7	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	43.7	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000	45.0	50.9	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000	47.0	53.8	54.8	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000	50.1	57.8	59.0	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	50.3	58.0	59.2	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 8000	51.6	60.9	62.1	62.9	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	52.8	63.7	65.1	65.9	66.4	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	53.8	64.9	66.3	67.1	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	57.3	69.3	71.1	71.8	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4500	60.4	72.5	74.4	75.2	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	61.8	74.5	76.4	77.6	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	62.6	75.5	77.4	78.8	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	63.2	76.6	78.4	79.9	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	63.9	77.9	79.9	81.4	83.1	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	64.2	78.4	80.4	82.1	83.6	84.1	84.3	84.3	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	64.2	78.6	80.6	82.3	84.0	84.5	84.7	84.7	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	64.2	78.9	80.9	82.6	84.7	85.2	85.3	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	64.2	79.1	81.1	82.8	84.8	85.3	85.5	85.5	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	64.2	79.4	81.4	83.5	86.2	86.7	87.0	87.0	87.2	88.0	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	64.6	79.9	82.2	84.1	86.8	87.4	87.7	87.7	87.9	88.7	89.0	89.0	89.4	89.4	89.4	89.4
≥ 800	64.6	80.6	83.1	85.2	88.4	88.9	89.2	89.2	89.4	90.2	90.6	90.6	90.9	90.9	90.9	90.9
≥ 700	64.6	80.8	83.3	85.3	88.9	89.4	89.9	90.2	90.4	91.2	91.6	91.6	91.9	91.9	91.9	91.9
≥ 600	64.6	80.8	83.3	85.3	89.4	90.1	90.6	90.8	91.1	91.9	92.4	92.4	92.9	92.9	93.1	93.3
≥ 500	64.6	80.8	83.3	85.3	89.7	90.4	91.1	91.7	92.1	93.8	94.6	94.6	95.3	95.3	95.4	95.6
≥ 400	64.6	81.1	83.6	85.8	90.2	91.1	92.1	92.9	93.3	95.8	97.6	97.6	98.7	98.7	98.8	99.0
≥ 300	64.6	81.1	83.6	85.8	90.2	91.1	92.1	92.9	93.3	95.8	98.0	98.3	99.3	99.3	99.5	99.7
≥ 200	64.6	81.1	83.6	85.8	90.2	91.1	92.1	92.9	93.3	95.8	98.0	98.3	99.3	99.3	99.5	99.7
≥ 100	64.6	81.1	83.6	85.8	90.2	91.1	92.1	92.9	93.3	95.8	98.0	98.3	99.3	99.3	99.5	99.7
≥ 0	64.6	81.1	83.6	85.8	90.2	91.1	92.1	92.9	93.3	95.8	98.0	98.3	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

593

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN KARIETTA AIRFIELD MD

70-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	48.6	57.5	53.7	53.7	53.9	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	51.4	57.6	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	51.4	57.6	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	51.4	57.6	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	52.3	58.5	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	55.4	62.0	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 10000	59.1	66.5	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	59.5	66.7	67.1	67.1	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	62.2	70.2	70.7	70.7	71.5	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	64.7	72.7	73.1	73.1	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000	65.3	73.8	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 5000	69.2	78.3	78.9	78.9	79.8	79.8	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	69.8	78.9	79.5	79.5	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	70.5	80.0	80.6	80.6	81.6	81.6	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	71.5	81.4	82.2	82.2	83.1	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	72.1	82.0	83.5	83.5	84.3	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	72.7	83.1	84.7	84.7	85.5	85.5	85.5	85.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	72.9	83.3	84.9	84.9	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800	72.9	83.3	84.9	84.9	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	73.6	84.3	86.4	86.4	88.4	88.4	88.4	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	74.0	85.1	87.4	87.4	89.5	89.5	89.5	89.5	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 300	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 200	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 100	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 0	74.2	85.5	87.8	87.8	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 484

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93744

MARTIN MARIETTA AIRFIELD MD

70-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	53.7	54.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.5	56.5	56.5	56.7	56.7	56.7	56.7
≥ 20000	55.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7	59.0	59.0	59.0	59.0
IN 18000	55.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0
IN 16000	55.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.2	59.2	59.2	59.2
≥ 14000	55.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.5	59.5	59.5	59.7	59.7	59.7	59.7
IN 12000	58.7	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.8	62.8	62.8	63.0	63.0	63.0	63.0
IN 10000	63.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.6	67.6	67.6	67.8	67.8	67.8	67.8
IN 9000	64.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.9	68.9	68.9	68.9
IN 8000	66.3	70.9	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.9	71.9	71.9	72.2	72.2	72.2	72.2
IN 7000	67.6	72.2	72.4	72.4	72.9	72.9	72.9	72.9	72.9	73.2	73.2	73.2	73.4	73.4	73.4	73.4
IN 6000	69.6	74.4	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.7	75.7	75.7	75.9	75.9	75.9	75.9
IN 5000	72.7	78.0	78.7	78.7	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5	79.7	79.7	79.7	79.7
IN 4500	72.7	78.0	78.7	78.7	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5	79.7	79.7	79.7	79.7
IN 4000	73.2	79.2	80.0	80.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.8	81.8	81.8	81.8
IN 3500	74.4	81.0	81.8	82.0	83.0	83.0	83.3	83.3	83.3	83.5	83.5	83.5	83.8	83.8	83.8	83.8
IN 3000	74.7	81.8	82.5	82.8	83.8	83.8	84.1	84.1	84.1	84.3	84.3	84.3	84.6	84.6	84.6	84.6
IN 2500	75.2	82.8	84.1	84.6	85.6	85.6	85.8	85.8	85.8	86.1	86.1	86.1	86.3	86.3	86.3	86.3
IN 2000	75.4	83.0	85.3	85.8	86.6	86.6	87.1	87.1	87.1	87.3	87.3	87.3	87.6	87.6	87.6	87.6
IN 1800	75.7	83.3	85.6	86.1	87.1	87.1	87.3	87.3	87.3	87.6	87.6	87.6	87.8	87.8	87.8	87.8
IN 1500	75.9	83.5	85.8	86.3	87.3	87.3	87.6	87.6	87.6	88.1	88.1	88.1	88.4	88.4	88.4	88.4
IN 1200	76.2	84.8	87.1	87.6	88.6	88.6	89.4	89.4	89.4	89.9	89.9	89.9	90.1	90.1	90.1	90.1
IN 1000	76.2	84.8	87.1	87.6	89.1	89.4	90.4	90.4	90.4	90.9	90.9	90.9	91.1	91.1	91.1	91.1
IN 900	76.2	84.8	87.1	87.6	89.1	89.4	90.4	90.4	90.4	90.9	90.9	90.9	91.1	91.1	91.1	91.1
IN 800	76.2	85.1	87.3	88.1	89.9	90.1	91.4	91.4	91.4	91.6	91.6	91.6	91.9	91.9	91.9	91.9
IN 700	76.2	85.1	87.3	88.1	89.9	90.1	91.4	91.4	91.4	92.2	92.2	92.2	92.4	92.4	92.4	92.4
IN 600	76.2	85.1	87.3	88.1	89.9	90.1	91.4	91.4	91.4	92.2	92.2	92.2	92.4	92.4	92.4	92.4
IN 500	76.2	85.1	87.6	88.6	90.4	90.9	93.4	93.4	93.4	94.2	94.2	94.2	94.4	94.4	94.4	94.4
IN 400	76.2	85.1	87.6	88.6	90.4	91.6	94.4	94.9	94.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7
IN 300	76.2	85.1	87.6	88.6	90.4	91.6	94.4	94.9	94.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7
IN 200	76.2	85.1	87.6	88.6	90.4	91.6	94.4	94.9	94.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7
IN 100	76.2	85.1	87.6	88.6	90.4	91.6	94.4	94.9	94.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7
IN 0	76.2	85.1	87.6	88.6	90.4	91.6	94.4	94.9	94.9	95.9	95.9	95.9	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93764 MARTIN MARIETTA AIRFIELD MD 72-78 DEC
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.6	46.1	46.6	46.7	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3
≥ 20000	42.9	50.5	51.2	51.4	51.8	51.9	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 18000	43.2	50.8	51.4	51.7	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4
IV 16000	43.2	50.8	51.5	51.7	52.1	52.2	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	44.0	51.7	52.4	52.7	53.1	53.1	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
IV 12000	46.0	54.2	54.9	55.3	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1
IV 10000	49.0	58.3	59.4	59.9	60.4	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8
IV 9000	49.5	58.9	60.0	60.5	61.0	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.5
IV 8000	51.2	61.7	62.9	63.5	64.3	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8
IV 7000	52.4	63.5	64.7	65.4	66.1	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.7
IV 6000	53.6	65.1	66.3	67.0	67.8	68.0	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3
IV 5000	56.5	69.2	70.8	71.7	72.5	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.1
IV 4500	57.9	71.0	72.6	73.5	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
IV 4000	59.8	74.2	75.9	77.0	78.0	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6
IV 3500	60.8	75.6	77.4	78.7	79.7	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
IV 3000	61.4	76.6	78.6	80.0	81.1	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0
IV 2500	62.1	77.7	80.1	81.6	82.9	83.3	83.6	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	62.3	78.2	80.9	82.4	83.9	84.4	84.7	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1
IV 1800	62.3	78.4	81.1	82.6	84.2	84.7	84.9	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4
IV 1500	62.5	79.0	81.8	83.4	85.2	85.7	86.0	86.1	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.5
IV 1200	62.6	79.5	82.5	84.1	86.0	86.6	87.0	87.1	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6
IV 1000	62.7	79.9	82.9	84.7	87.0	87.7	88.3	88.4	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.1
IV 900	62.8	80.0	83.1	84.9	87.2	87.9	88.5	88.6	88.7	89.2	89.3	89.3	89.4	89.4	89.4	89.4
IV 800	62.8	80.4	83.7	85.6	88.4	89.2	90.0	90.1	90.2	90.7	91.0	91.0	91.1	91.1	91.1	91.1
IV 700	62.8	80.5	84.0	86.0	88.9	89.8	90.6	90.9	91.1	91.6	91.9	91.9	92.0	92.0	92.0	92.1
IV 600	62.8	80.5	84.1	86.1	89.1	90.1	91.1	91.6	91.8	92.5	92.9	92.9	93.1	93.1	93.1	93.2
IV 500	62.8	80.5	84.2	86.3	89.5	90.6	92.2	92.9	93.2	94.3	95.0	95.0	95.4	95.4	95.4	95.5
IV 400	62.8	80.7	84.4	86.4	89.7	91.0	92.8	93.8	94.2	95.5	96.3	96.3	96.9	96.9	96.9	97.0
IV 300	62.8	80.7	84.4	86.4	89.7	91.0	92.9	93.9	94.3	95.9	97.1	97.2	97.9	98.0	98.1	98.1
IV 200	62.8	80.7	84.4	86.4	89.7	91.0	92.9	93.9	94.3	96.0	97.3	97.5	98.4	98.5	98.7	99.1
IV 100	62.8	80.7	84.4	86.4	89.7	91.0	92.9	93.9	94.3	96.1	97.4	97.6	98.5	98.7	99.0	99.6
IV 0	62.8	80.7	84.4	86.4	89.7	91.0	92.9	93.9	94.3	96.1	97.4	97.6	98.5	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3089

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

93766 MARTIN MARETTA AIRFIELD MO 70-79 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	34.6	45.6	48.2	50.1	51.5	51.9	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4
≥ 20000	37.7	50.6	53.6	55.7	57.4	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	37.9	50.9	53.9	56.0	57.7	58.1	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	37.9	51.0	53.9	56.1	57.7	58.2	58.4	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	38.5	51.4	54.8	57.0	58.7	59.2	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7
IV 12000	39.5	53.5	56.6	58.9	60.6	61.1	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	41.3	56.8	60.3	62.8	64.8	65.3	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
IV 9000	41.6	57.5	61.0	63.5	65.5	66.1	66.4	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	42.9	59.9	63.6	66.4	68.5	69.1	69.4	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8
IV 7000	43.7	61.4	65.2	68.1	70.3	70.9	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	44.4	62.7	66.6	69.6	71.9	72.5	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	45.8	65.1	69.3	72.5	74.9	75.4	75.7	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4500	46.6	66.1	70.4	73.7	76.2	76.8	77.2	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000	48.2	68.7	73.2	76.7	79.3	80.0	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3500	48.9	70.0	74.7	78.3	81.0	81.7	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3000	49.6	71.5	76.4	80.2	83.1	83.9	84.3	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2500	50.1	72.5	77.6	81.5	84.5	85.4	85.9	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	50.6	73.2	78.5	82.6	85.8	86.7	87.2	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1800	50.4	73.4	78.8	82.9	86.1	87.1	87.7	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	50.6	74.1	79.6	83.3	87.2	88.4	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	50.7	74.6	80.3	84.7	88.5	89.5	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	50.7	75.0	80.8	85.5	89.5	90.7	91.6	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 900	50.8	75.1	81.0	85.8	89.9	91.1	92.1	92.6	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	50.8	75.2	81.3	86.2	90.5	92.0	93.1	93.7	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 700	50.8	75.3	81.5	86.4	91.0	92.6	93.9	94.5	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	50.8	75.4	81.6	86.6	91.3	93.1	94.5	95.3	95.5	96.0	96.2	96.2	96.2	96.2	96.2	96.2
IV 500	50.8	75.5	81.7	86.8	91.6	93.6	95.2	96.3	96.5	97.1	97.4	97.5	97.5	97.5	97.5	97.5
IV 400	50.8	75.5	81.7	86.8	91.7	93.7	95.5	96.8	97.0	97.8	98.2	98.3	98.3	98.3	98.3	98.3
IV 300	50.8	75.5	81.7	86.8	91.8	93.8	95.6	97.0	97.2	98.1	98.6	98.7	98.7	98.7	98.7	98.7
IV 200	50.8	75.5	81.7	86.8	91.8	93.8	95.6	97.0	97.3	98.2	98.8	98.9	98.9	98.9	98.9	98.9
IV 100	50.8	75.5	81.7	86.8	91.8	93.8	95.6	97.0	97.3	98.2	98.8	98.9	98.9	98.9	98.9	98.9
IV 0	50.8	75.5	81.7	86.8	91.8	93.8	95.6	97.0	97.3	98.2	98.8	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 37825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-79
PERIOD

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02													
	03-05													
	06-08	16.6			19.4						21.3	42.7	6.2	356
	09-11	14.9			18.2						21.0	45.9	7.0	727
	12-14	9.8			21.4						23.3	45.5	7.3	716
	15-17	9.9			26.9						19.7	43.5	6.9	646
	18-20	24.2			25.8						14.5	35.4	5.6	828
	21-23	35.3			18.8						12.6	33.3	5.0	414
TOTALS		18.5			21.8						18.7	41.1	6.4	3282

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

92864 MARTIN MARIETTA AIRFIELD MD 71-79 FEB
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02													
	03-05													
	06-08	22.4			20.9						18.8	37.9	6.1	325
	09-11	19.0			20.8						21.7	38.4	6.4	472
	12-14	17.3			22.2						17.4	43.1	6.5	449
	15-17	19.4			21.0						19.7	39.9	6.4	614
	18-20	27.4			22.5						12.3	36.4	5.4	489
	21-23	27.4			15.0						10.2	37.4	5.1	393
TOTALS		22.9			20.6						16.7	38.9	6.0	3152

SKY COVER

92744

MARTIN MARBETTA AIRFIELD MD

71-78

MAR

STATION NAME

PINOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02											100.0	10.0	1
	03-05													
	06-08	14.6			21.7						18.4	43.4	6.6	332
	09-11	11.9			23.4						19.5	45.1	7.0	645
	12-14	10.7			19.4						25.1	44.8	7.3	624
	15-17	12.2			18.2						26.9	42.6	7.2	573
	18-20	20.0			22.0						23.1	35.0	6.2	446
	21-23	34.5			20.9						13.2	31.3	5.0	345
TOTALS		15.1			18.0						18.0	48.9	7.0	2976

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78

APR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02													
	03-05											100.0	10.0	1
	06-08	27.6			22.6						17.5	32.3	2.5	337
	09-11	22.0			26.5						20.2	31.3	5.7	619
	12-14	14.7			28.0						23.0	34.3	6.3	610
	15-17	15.2			26.2						26.2	32.3	6.4	573
	18-20	21.5			26.8						22.2	31.4	5.9	655
	21-23	35.7			21.5						13.8	29.2	4.8	325
TOTALS		72.5			21.6						17.5	41.5	6.4	2927

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

88764 MARTIN MARIETTA AIRFIELD MO 71-78 MAY
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02													
	03-05													
	06-08	18.0			19.0						19.8	42.2	6.7	684
	09-11	16.5			20.6						17.9	45.1	6.7	682
	12-14	11.2			24.8						20.3	43.8	6.9	626
	15-17	9.1			24.9						22.6	43.4	7.1	529
	18-20	14.8			21.7						23.5	40.0	6.8	652
	21-23	16.4			22.4						12.5	37.5	5.6	216
TOTALS		16.0			22.6						19.4	42.2	6.6	2949

SKY COVER

92744

MARTIN MARIETTA AIRFIELD MD
STATION NAME

72-70

JUN
1971

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02													
	03-05													
	06-08	15.9			22.7						22.5	26.9	6.6	471
	09-11	10.2			27.6						27.7	24.3	6.8	618
	12-14	6.2			32.7						28.2	32.9	6.8	617
	15-17	7.6			33.0						26.4	32.0	6.7	513
	18-20	7.0			29.0						29.9	34.1	7.0	431
	21-23	18.4			27.1						24.2	30.4	6.0	207
TOTALS		10.9			28.7						26.5	32.9	6.7	2556

USAFETACFORM
44-64

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78

JUL

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02													
	03-05				50.0						50.0		6.0	3
	06-08	18.8			29.4						20.7	31.1	5.9	469
	09-11	14.8			32.6						24.6	28.0	6.0	614
	12-14	5.7			35.5						29.5	29.2	6.6	614
	15-17	6.5			32.5						30.7	29.2	6.7	523
	18-20	12.2			29.7						30.0	28.1	6.4	434
	21-23	24.2			22.0						18.1	24.7	5.1	215
TOTALS		11.7			26.8						29.1	24.4	6.1	2870

USAFETAC

FORM
JUL 64

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

22264
NATIONS

MARTIN MARETTA AIRFIELD MD

70-78

AVG

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02													
	03-05	25.0			25.0						25.0	25.0	5.5	4
	06-08	18.5			26.3						25.6	29.6	6.1	967
	09-11	17.2			32.0						24.7	26.1	5.8	721
	12-14	9.2			36.2						32.1	22.5	6.2	710
	15-17	9.7			37.9						31.6	20.8	6.1	639
	18-20	12.8			32.6						26.8	28.0	6.2	915
	21-23	24.2			28.1						21.3	24.3	5.2	267
TOTALS		16.8			31.1						24.7	25.2	5.9	3423

SKY COVER

93744
STATION

MARTIN MARIETTA AIRFIELD MD

70-78

SEP

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02													
	03-05											100.0	10.0	1
	06-08	19.0			22.1						20.7	37.4	6.3	351
	09-11	17.2			25.2						23.7	32.9	6.3	703
	12-14	8.8			32.9						25.9	32.3	6.6	690
	15-17	10.7			36.1						22.6	30.4	6.2	588
	18-20	18.4			30.7						20.0	24.9	5.4	310
	21-23	30.1			25.6						16.2	25.1	4.8	239
TOTALS		15.0			25.9						18.5	40.6	6.5	3304

USAFETAC

FORM
RM 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

PINCO

DCI

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02													
	03-05				66.7						33.3	5.3	3	
	06-08	25.8			22.6						15.6	36.0	5.7	558
	09-11	30.3			26.5						17.2	36.0	5.9	733
	12-14	15.5			28.0						21.5	33.0	6.3	721
	15-17	16.8			26.3						24.6	32.2	6.2	620
	18-20	30.1			23.5						18.5	23.9	5.0	341
	21-23	39.5			20.2						15.7	24.6	4.5	261
TOTALS		31.1			30.8						16.2	31.9	5.6	3467

FORM
JUL 64

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

93746
STATION

MARTIN MARIETTA AIRFIELD MD

70-78

NOV
1964

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02													
	03-05													
	06-08	15.0			26.9						29.8	37.3	6.4	227
	09-11	12.0			26.9						19.7	41.3	6.7	492
	12-14	8.8			26.9						23.9	40.4	7.0	491
	15-17	10.6			25.6						25.0	38.9	6.9	483
	18-20	26.9			21.7						16.6	36.8	5.8	489
	21-23	25.4			18.5						12.0	34.2	5.0	401
TOTALS		17.8			26.6						19.7	38.2	6.3	3237

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

STATION

MARTIN MARIETTA AIRFIELD MO
STATION NAME

70-76

DEC

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
BEC	00-02													
	03-05													
	06-08	21.2			19.0						18.4	41.2	6.4	313
	09-11	15.9			20.2						19.1	44.8	6.8	686
	12-14	10.7			22.2						24.5	41.5	7.1	644
	15-17	14.0			22.8						21.9	40.2	6.7	393
	18-20	29.5			19.2						14.9	36.4	5.6	484
	21-23	37.0			15.2						11.2	36.5	5.1	392
TOTALS		21.4			20.2						18.2	40.1	6.3	3084

USAFETAC FORM 0-9-C (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-79
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	12.5			21.8						18.7	41.1	6.4	3382
FEB		22.9			20.6						16.7	38.9	6.0	3152
MAR		15.1			18.0						18.0	48.9	7.0	2976
APR		19.5			21.4						17.5	41.5	6.4	2927
MAY		16.0			22.4						19.4	42.2	6.6	2949
JUN		10.9			28.7						26.5	33.9	6.7	2856
JUL		11.7			24.8						29.1	24.4	6.2	2870
AUG		16.9			21.1						26.7	25.2	5.9	2623
SEP		15.0			25.9						18.5	40.6	6.5	3304
OCT		21.1			20.8						16.2	31.9	5.6	2467
NOV		17.8			24.4						19.7	38.2	6.3	3233
DEC		21.4			20.2						18.3	40.1	6.3	3084
TOTALS		17.2			25.0						20.4	37.2	6.3	37623

TOTAL SKY COVER

**FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.**

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature DATA NOT AVAILABLE

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviation (σ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH

USAFETAG

AIR WEATHER SERVICE/MAC

93744

MARTIN MARIETTA AIRFIELD MD

70-76

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							3.0	1.9	.7				.5
90					.7	5.4	14.3	11.0	3.4				3.1
85				3.3	2.0	26.4	47.0	46.8	17.0	1.3			12.5
80			.7	5.3	11.9	60.1	77.4	77.3	37.4	3.9	1.4		23.9
75				7.3	34.4	79.1	97.0	95.5	66.7	11.8	4.2		34.2
70	1.3	1.4	3.9	20.0	58.3	90.5	98.8	98.7	83.7	39.9	9.8	.7	43.4
65		5.7	9.2	36.0	77.5	97.3	99.4	100.0	93.9	62.7	14.7	1.3	51.1
60	3.9	10.6	17.6	58.0	92.1	100.0	100.0		99.3	80.4	30.8	6.0	59.4
55	7.2	17.7	32.7	79.3	98.7				100.0	88.9	51.0	14.9	66.9
50	16.4	30.5	52.6	91.3	100.0					93.4	62.9	28.4	74.2
45	32.2	43.3	71.9	97.3						98.7	84.6	47.0	81.0
40	52.6	59.6	89.5	98.7						100.0	94.4	76.9	89.6
35	68.4	75.2	98.0	100.0							99.3	91.8	94.5
30	87.5	90.8	100.0								100.0	98.5	98.1
25	95.4	97.9										99.3	99.4
20	98.7	100.0										100.0	99.9
15	100.0												100.0
MEAN	40.2	43.6	50.8	61.7	70.5	79.8	83.8	83.4	77.3	66.0	54.6	45.2	63.1
S D	9.971	11.696	9.239	9.949	7.945	6.949	5.446	5.279	7.598	8.515	10.297	8.539	17.627
TOTAL OBS	152	141	153	150	151	148	168	154	147	153	143	134	1794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

92744 MARTIN MARIETTA AIRFIELD MD

70-76

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC.	ANNUAL
85							.6						.1
80						.7	3.0	3.2					.6
75						14.2	23.8	18.8	3.4				2.5
70				.7	2.6	44.6	67.3	55.8	28.1	.7			17.0
65				4.7	17.2	70.2	93.5	87.0	47.6	6.5	.7		28.4
60				11.3	36.4	89.2	99.4	96.8	74.8	20.9	4.2		37.2
55	1.3	.7	3.3	19.3	64.2	98.6	100.0	100.0	90.5	96.6	10.5	2.2	45.1
50		5.7	8.9	44.7	84.1	100.0			96.6	82.1	24.9	3.0	59.7
45	3.9	9.9	24.8	66.0	98.0				99.3	80.4	42.0	8.2	62.2
40	11.2	19.9	45.8	86.7	100.0				100.0	90.2	60.1	32.1	71.3
35	28.3	37.6	69.3	96.7						96.7	79.7	59.7	81.2
30	46.8	49.6	81.0	97.3						98.7	86.7	67.9	85.3
25	82.0	60.3	88.2	98.7						99.3	94.4	81.3	89.8
20	73.0	75.9	98.0	100.0						100.0	97.9	91.8	94.9
15	49.5	87.9	100.0								100.0	95.5	98.0
10	96.7	97.9										100.0	99.6
5	99.3	99.3											99.9
0	100.0	100.0											99.9
													100.0
MEAN	29.8	31.7	38.9	48.3	57.3	67.2	71.3	70.1	63.9	51.8	42.8	35.8	50.8
S D	8.521	9.701	7.671	8.155	6.834	6.010	4.493	4.880	7.142	8.656	9.189	7.312	16.414
TOTAL OBS	152	141	153	150	151	148	168	154	147	153	143	134	1794

USAF ETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

93744 MARTIN MARIETTA AIRFIELD MD

70-76

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90							.6	.6					.1
85						.7	6.5	7.1	1.4				1.4
80				.7	.7	21.6	33.3	27.9	9.9				8.2
75				3.3	6.0	53.4	73.8	70.1	29.9	.7			20.6
70				6.7	24.5	77.0	97.6	92.2	58.9	7.2	2.8		31.7
65		.7	.7	14.0	48.3	91.9	99.4	100.0	80.3	24.2	5.6		39.9
60	.7	2.8	4.6	26.7	69.5	98.6	100.0		95.2	59.6	12.6	1.5	48.3
55	1.3	7.1	11.1	51.9	90.7	100.0			98.0	74.5	27.3	4.5	50.6
50	3.9	13.5	27.9	77.3	99.3				100.0	88.9	49.7	9.7	65.2
45	14.5	29.5	91.0	89.3	100.0					94.8	62.9	31.3	73.3
40	33.6	44.7	76.5	97.3						98.0	84.6	56.0	83.1
35	49.3	58.2	91.9	98.7						100.0	95.1	82.1	89.9
30	72.4	78.7	99.3	100.0							100.0	91.8	95.3
25	89.5	89.4	100.0									99.3	98.2
20	98.0	98.6										100.0	99.7
15	99.3	100.0											99.9
10	100.0												100.0
MEAN	35.3	37.9	45.1	55.2	64.1	74.1	77.8	77.0	70.8	59.2	48.9	40.8	57.2
S D	8.758	10.314	7.868	8.704	6.928	6.122	4.586	4.703	6.887	7.851	9.333	7.535	16.793
TOTAL OBS	152	141	133	150	151	148	168	154	147	153	143	134	1794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-79

YEARS

JAN
MONTH

PAGE 1 0600-0000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
58/ 57		.8																	2	2				
56/ 55		.4																	1	1	2			
54/ 53																					1	3		
52/ 51	.4																		1	4	1	1		
50/ 49				.8															2	3				
48/ 47			.8		.4														3	4				
46/ 45		.8	1.2																5	6	1			
44/ 43		1.2	1.6																7	12	5	2		
42/ 41	.8	.4	.4	.8															6	6	8	3		
40/ 39		2.7	.8	1.2															12	16	10	8		
38/ 37	1.9	1.6	1.6	.8															15	20	9	11		
36/ 35	1.2	2.7	.6	.4															13	16	16	9		
34/ 33	1.6	4.3	1.2	1.6	.4														23	37	19	8		
32/ 31	.6	3.5	1.2	1.6															18	30	13	15		
30/ 29		3.9	3.1	1.2															21	23	19	12		
28/ 27	1.2	5.8	2.7	1.2															28	37	19	17		
26/ 25	.4	1.6	3.1	.4															14	19	28	17		
24/ 23		4.3	2.3																17	18	16	11		
22/ 21		4.3	2.7																18	27	16	8		
20/ 19	.4	4.7	1.9																18	22	20	17		
18/ 17		1.9	.8																7	15	17	12		
16/ 15		4.3	.8																13	17	16	18		
14/ 13	.4	1.2																	4	7	10	14		
12/ 11		1.6																	4	8	2	13		
10/ 9		1.2	.4																4	4	4	19		
8/ 7																				2	4	8		
6/ 5			.4																1	1		12		
4/ 3		.4																	1	1	1	7		
2/ 1																					1	6		
0/ -1																						3		
-2/ -3																						1		
-10/ -11																						1		
-22/ -23																						1		
-26/ -27																						1		
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

0477 54321

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

71-79

YEARS

JAN
MONTH

PAGE 2 0600-0600
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

93744 MARTIN MARIETTA AIRFIELD MD

71-79

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi			
64/ 63				.2														1	1					
62/ 61			.2															1	1					
58/ 57		.6																4	4	5				
56/ 55																				1	1			
54/ 53		.2	.2	.2	.2													4	6		1			
52/ 51	.2	.2		.2	.3	.2	.2											9	10	4	2			
50/ 49			.3	.6	.3		.2											9	14	3	1			
48/ 47	.2	.2	1.0	.5	.3	.5												16	17	3	2			
46/ 45		1.6	1.1	.5	.5	.3												25	27	7	3			
44/ 43		1.0	.3	1.0	.8	.2												20	25	23	5			
42/ 41	.3	2.9	1.1	1.0	.5													36	38	24	19			
40/ 39	.3	2.5	1.7	1.6	1.3	.2												48	50	33	13			
38/ 37	.8	1.3	.8	1.4	.3													29	34	30	31			
36/ 35	.8	2.7	2.5	1.1	.2	.2												47	51	46	23			
34/ 33	.3	4.0	2.5	1.6	.6													57	70	44	25			
32/ 31	.8	3.0	2.9	1.6														52	61	53	32			
30/ 29	.6	2.4	4.6	1.6	1.0													64	71	49	37			
28/ 27		3.8	4.0	2.2														63	71	52	38			
26/ 25		1.7	2.5	.8														32	40	64	44			
24/ 23		1.0	4.0	.5														34	36	52	26			
22/ 21	.2	.2	3.5	.2														25	30	31	41			
20/ 19	.3	1.4	2.4															26	31	38	42			
18/ 17		.5	1.1															10	13	32	26			
16/ 15	.2	.5	.2															5	8	16	34			
14/ 13		.5	.5															6	9	6	28			
12/ 11		.5	.2															4	5	5	28			
10/ 9		.2																1	2	5	34			
8/ 7																			1	2	25			
6/ 5		.2																1	1		29			
4/ 3																			1	1	11			
2/ 1																			1		11			
0/ -1																					4			
-2/ -3																					2			
-4/ -5																					1			
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD	71-79
STATION	STATION NAME	

PAGE 2 JAN
MONTH
0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

71-79

YEARS

JAN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

71-79

JAN
MONTH

PAGE 2 1200-140
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

93744 MARTIN MARIETTA AIRFIELD MD 71-79

JAN MONTH

PAGE 1 1500-17 HOURS (L.S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew							
70/ 69							.4											2	2									
64/ 63								.6										3	3									
62/ 61		.2						.4										3	3									
60/ 59						.8												4	4		1							
58/ 57						.2		.2										2	2		2							
56/ 55		.6	.2	.6														7	9									
54/ 53		.2	.2	.2	1.0	.6			.2									12	14		3							
52/ 51			.2	.6	.6		.2	.2										10	12		2							
50/ 49		.2	.4	.4	.4													7	8		13							
48/ 47		.4	.8	.4	1.0	.4	.4											17	19		6							
46/ 45	.2	.4	1.3	1.9	.6	1.0	.4											28	31		12							
44/ 43	1.5	.8	1.7	.8	3.1	.8												42	54		25							
42/ 41		1.9	1.0	.6	1.5	.2												25	35		15							
40/ 39	.6	.8	1.7	2.3	2.1	.2												37	47		38							
38/ 37	1.0	.8	2.5	2.5	1.9	.4												44	55		23							
36/ 35		.6	3.1	2.7	.6													34	43		42							
34/ 33	.4	2.3	1.0	2.4	1.5													37	51		40							
32/ 31		1.3	2.9	3.8	1.9													47	79		46							
30/ 29		1.0	3.4	1.7	.4													31	53		35							
28/ 27		2.3	2.1	1.7														29	40		41							
26/ 25			3.4	1.3														22	28		51							
24/ 23		.4	2.5	.2														15	20		24							
22/ 21		.8	1.3	.6														13	16		27							
20/ 19																			6		16							
18/ 17			.6															3	7		8							
16/ 15		.2	.2															2	4		1							
14/ 13																					4							
12/ 11																				1	1							
10/ 9																												
8/ 7																												
6/ 5																												
4/ 3	.2																	1	1		1							
2/ 1																												
0/ -1																												
Element (X)	Σ X ²					Σ X					X					No. Obs.					Mean No. of Hours with Temperature							
Rel. Hum																					≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F						Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

71-79

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-79 YEARS

JAN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69						.3												1	1					
62/ 61							.3											1	1					
60/ 59								.3										1	1	1				
58/ 57						.6												2	3					
56/ 55		.6				.6												4	6					
54/ 53		.6																2	2	3				
52/ 51		.6					.3											3	5	2	5			
50/ 49		.3		1.3		.3												6	8	2	2			
48/ 47		.3	.6	1.0	.6	.6												10	12	6				
46/ 45		.6	2.9	1.9	.3													18	20	1	2			
44/ 43			1.6	2.5	.6													15	16	11	1			
42/ 41		1.0	1.6	2.2	1.0		.3											19	24	17	2			
40/ 39	.3	1.0	1.9	.6	.3													13	27	14	8			
38/ 37	.3	2.5	3.8	1.3	.6													27	41	31	9			
36/ 35		1.6	1.6	2.5	1.6													23	42	14	22			
34/ 33	.3	2.9	3.2	2.7	1.6													34	51	20	12			
32/ 31		1.9	4.4	1.6														25	58	22	20			
30/ 29	.3	3.8	2.9	4.1	.6													37	54	26	21			
28/ 27	1.0	2.9	2.2	1.6														24	45	47	24			
26/ 25		.6	2.5	.6														12	30	26	15			
24/ 23	1.0	.6	3.8															17	33	26	25			
22/ 21		.3	1.0															4	9	15	15			
20/ 19		1.0	2.2	.6														12	15	16	21			
18/ 17			.6															2	8	4	19			
16/ 15																			4	7	17			
14/ 13			.3															1	6	1	11			
12/ 11																					16			
10/ 9		.3																1	1	1	19			
8/ 7		.3																1	1	1	10			
6/ 5																				1	7			
4/ 3																					3			
2/ 1																					2			
0/ -1																					2			
-2/ -3																					2			
Element (X)	Σ X ²		Σ X		Σ	Σ ₂	No. Obs.		Mean No. of Hours with Temperature												Total			
Rel. Hum.									≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD	71-79
STATION	STATION NAME	

PAGE 2

[illegible]

PSYCHROMETRIC SUMMARY

71-79

JAN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po				
60/ 59							.5											1	1						
58/ 57																			3						
56/ 55		1.0																2	2						
54/ 53		.5																1	1	2					
52/ 51		.5			.5													2	4	2					
50/ 49																									
48/ 47		1.0																2	3	2					
46/ 45		.5	2.0	1.5	.5													9	12	2					
44/ 43		.5	3.6	.5														9	11	3					
42/ 41		.5	1.0	3.0														9	11	3					
40/ 39			2.5															5	19	11					
38/ 37	.5	1.5	3.0	.5														11	19	10					
36/ 35		2.0	1.5	2.5														12	22	12					
34/ 33		2.0	3.6	1.5	1.0													16	42	9					
32/ 31		3.0	3.6	2.0	.5													18	42	7	1				
30/ 29	1.5	3.6	4.1	1.5	.5													22	49	24	1				
28/ 27	1.0	4.6	3.6															18	35	21					
26/ 25	1.5	4.6	3.6															19	42	26	1				
24/ 23	1.5	.5	2.0	1.5														11	24	18	1				
22/ 21	.5	4.1	2.0	.5														14	30	10	1				
20/ 19		1.5	1.0															5	12	15	2				
18/ 17			2.5															5	6	7	1				
16/ 15		1.0																7	9	7					
14/ 13		.5																1	5	2	1				
12/ 11																			5	1	1				
10/ 9																			2						
8/ 7																									
6/ 5		1.0																2	2						
4/ 3		.5																1	1	2					
2/ 1																				1					
0/ -1																									
-2/ -3																									
-8/ -9																									
-12/ -13																									
Element (X)	Σ x ²																								

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD 71-79

STATION

STATION NAME

YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
70/ 69						.1	.1											5	5															
68/ 67					.0													1	1															
64/ 63				.0				.1										4	4															
62/ 61		.1	.0				.0	.1										7	7															
60/ 59		.0				.2	.1	.0										9	9											6	2			
58/ 57		.3		.0	.1	.2	.0	.0										17	21											9	1			
56/ 55		.3	.1	.2	.1	.1	.0											22	26											3	6			
54/ 53		.2	.1	.2	.4	.2			.0									26	33											10	9			
52/ 51	.2	.3	.1	.2	.4	.1	.1	.0										38	53											14	14			
50/ 49		.2	.2	.6	.4	.2	.2											44	54											30	7			
48/ 47	.0	.3	.7	.4	.6	.3	.2											64	71											29	12			
46/ 45	.0	1.0	1.5	1.2	.6	.4	.1											121	132											36	20			
44/ 43	.5	.9	1.5	1.2	1.2	.2												138	167											93	37			
42/ 41	.2	1.5	1.2	1.2	.8	.1	.0											128	154											91	40			
40/ 39	.3	1.6	1.7	1.6	.9	.1												153	205												144	72		
38/ 37	.8	1.3	2.1	1.6	.7	.1												165	210												150	94		
36/ 35	.4	2.0	2.5	1.9	.6	.0												185	240												178	107		
34/ 33	.5	2.9	2.1	2.2	1.0	.1												218	311												178	101		
32/ 31	.4	2.1	2.9	2.5	.7													215	340												199	138		
30/ 29	.4	2.1	3.9	2.3	.6													230	322												184	144		
28/ 27	.4	3.2	2.6	1.7	.0													198	273												234	157		
26/ 25	.2	1.1	3.1	.7														128	190												256	152		
24/ 23	.2	1.1	2.9	.4														116	196												178	140		
22/ 21	.1	1.1	2.2	.4														93	135												132	134		
20/ 19	.1	1.1	1.3	.1														65	95												130	176		
18/ 17		.3	.9															30	52												85	128		
16/ 15	.0	.7	.3															25	49												48	146		
14/ 13	.0	.3	.2															13	29												26	110		
12/ 11		.3	.0															8	19												12	107		
10/ 9		.2	.0															6	10												10	138		
8/ 7		.0																1	6												7	98		
6/ 5		.1	.0															4	4												1	75		
4/ 3	.0	.1																3	4												5	34		
2/ 1																			1												2	33		
Element (X)	Σ X ²			Σ X			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature										Total												
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

9477-54321

PSYCHROMETRIC SUMMARY

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ALL

HOURS (L, S, T.)

[illegible]

9477 54321

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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MONTH

PAGE 1 0600-0600
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 55		.4																1	1					
54/ 53		.8			.4													3	3	2				
52/ 51		.4	.4	.4														3	3	2	2			
50/ 49	.4	.4	.8		.4	.4		.4										7	7	2	3			
48/ 47		.4	.4	1.7	.4													7	7	2	2			
46/ 45	.4	.4	1.3		.4													6	6	5	2			
44/ 43	.4	.4		.8		.4												5	6	3	3			
42/ 41		.8	1.3		.4	.8												8	10	9	1			
40/ 39	.4	2.5	2.5	.8														16	18	8	6			
38/ 37	.4	2.9	2.5	1.7		.4												19	24	15	6			
36/ 35	1.3	1.7	2.1		1.3													15	19	18	15			
34/ 33	1.3	3.3	3.8	1.7														24	32	20	10			
32/ 31	1.3	2.9	3.8															19	25	17	15			
30/ 29	.4	1.3	1.7	1.3	.8													13	13	18	16			
28/ 27	.4	3.8	.4	.4														12	17	20	12			
26/ 25		2.9	3.8															16	26	13	16			
24/ 23		2.1	3.8															14	17	13	12			
22/ 21		2.9	2.5															13	25	16	9			
20/ 19	.8	2.9	1.3															12	21	19	15			
18/ 17		2.9	1.3															10	14	9	10			
16/ 15	.4	2.9	.8															10	18	10	17			
14/ 13			.4															2	6	11	9			
12/ 11		.4	.4															2	4	4	11			
10/ 9																			2		12			
8/ 7		.8																2	4	3	17			
6/ 5		.4																1	2	1	4			
4/ 3																			1		4			
2/ 1																			4		3			
0/ -1																					2			
-2/ -3																					4			
-4/ -5																					1			
-6/ -7																					1			
TOTAL	7.9	40.8	35.8	8.8	4.2	2.1		.4										240	335	240	240			
Element (X)																								

PSYCHROMETRIC SUMMARY

93744	MARTIN MAKIETTA AIRFIELD MD
STATION	STATION NAME

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PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
72/ 71								.2										1	1																	
64/ 63					.2													1	1																	
62/ 61		.2				.2	.2	.2	.3									6	6																	
60/ 59			.2			.2	.2	.2										4	4	1																
58/ 57					.2		.5											4	4	2	1															
56/ 55		.5	.3		.5		.5											11	11	1																
54/ 53	.5	.2	.5	.2	.3	.3	.2		.2									14	14	7	5															
52/ 51			.2	.3	.7	.7		.2										12	12	3	4															
50/ 49	.3	.2	.3	.8	.3	.3		.2										15	15	10	3															
48/ 47	.7	.6	.5	1.5	1.2	.5		.2										28	29	12	7															
46/ 45	.3	.2	1.5	1.5	.3	.3	.5											28	28	17	5															
44/ 43	.3	.6	1.7	1.0	1.0	.5												32	35	26	2															
42/ 41	.2	.3	1.4	1.0	.5													20	22	31	17															
40/ 39	.3	1.9	1.2	2.2	.8													38	43	29	13															
38/ 37	.3	3.1	1.2	1.9	2.4	.2												53	60	35	23															
36/ 35	.3	1.5	1.0	2.4	.2													32	38	52	37															
34/ 33	.3	1.9	2.9	1.9	.7	.2												46	53	35	28															
32/ 31	.2	2.9	1.7	1.5	.2													38	42	39	33															
30/ 29		.8	4.5	1.0	.2													39	42	51	37															
28/ 27	.5	2.2	3.9	.7														43	49	36	30															
26/ 25	.3	.3	4.1	.8														33	39	49	29															
24/ 23	.3	1.2	2.4	.5														26	34	37	23															
22/ 21		1.2	2.0	.3														21	27	37	43															
20/ 19	.2	1.2	1.5															17	25	29	27															
18/ 17		.8	1.2															12	13	16	36															
16/ 15		.2	.5															4	7	15	42															
14/ 13		.3	.5															5	6	6	37															
12/ 11		.5	.2															4	6	5	21															
10/ 9		.2																1	3	6	25															
8/ 7																			2	1	12															
6/ 5																					13															
4/ 3																			1		2															
2/ 1	.2																	1	1	1	17															
0/ -1																					5															
Element (X)	Σ X ²			Σ X			X			Σ X			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

93744 MARTIN MARITTA AIRFIELD MD

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
68/ 67						.4												1	1													
66/ 65								.4	.4									2	2													
64/ 63								.4										1	3													
62/ 61			.4					1.1										4	5													
60/ 59					.4		.4											3	3													
58/ 57				.4		1.1		.4										4	7	2												
56/ 55	.4	.4		.4	.7	.7	1.1											10	14	1	2											
54/ 53	.4			.7			.4											4	6	4	2											
52/ 51			.7	1.1	1.4	2.5		.4										17	17	2	1											
50/ 49		1.1		.4		.4												5	8	4												
48/ 47		.4			.7	1.4		.4										8	11	14	3											
46/ 45		.7	.4		.7	1.4												9	13	9	3											
44/ 43		.4	2.1	1.4	2.1	.4												18	24	13	6											
42/ 41		.7		4.3	1.8													19	29	7	5											
40/ 39	.4	2.1	2.5	2.5	.7													23	37	16	6											
38/ 37	1.4	1.8	2.5	3.2	.4													26	33	22	15											
36/ 35	.7	.4	2.5	3.2		.4												20	34	39	13											
34/ 33	1.4	.7	1.1	1.4	.4													14	30	22	15											
32/ 31		1.1	2.8	2.8														19	42	18	10											
30/ 29	.7	2.5	1.4	.7														15	33	20	27											
28/ 27		2.1	3.9	3.9														28	51	17	25											
26/ 25		1.8	1.4	2.1														15	24	22	21											
24/ 23		.7	1.8	1.1														10	16	18	19											
22/ 21		.4	.4	.4														3	14	14	12											
20/ 19		.4																1	9	10	17											
18/ 17			.7															2	10	4	19											
16/ 15			.4															1	7	1	14											
14/ 13																			3	2	8											
12/ 11																			4	1	7											
10/ 9																			1		5											
8/ 7																					9											
6/ 5																					9											
4/ 3																					3											
2/ -3																					4											
Element (X)	Σ X ²			Σ X			X			Σ X			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																																
Wet Bulb																																
Dew Point																																

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
60/ 59							.6											1	2						
58/ 57						.6												1	2						
56/ 55				.6	.6													2	3						
54/ 53		.6		.6														2	5						
52/ 51					.6	.6												2	3	1	1				
50/ 49		.6	.6	.6	1.9													6	11	2					
48/ 47			1.3		.6	.6												4	5	4	1				
46/ 45			1.3	2.5	.6													7	9	2					
44/ 43			.6		1.3													3	8	4	2				
42/ 41		.6	2.5	3.2	2.5													14	23	7	3				
40/ 39	.6	3.2	1.3	3.8														14	35	11	5				
38/ 37	3.8	.6	3.8	2.5	.6													18	27	14	10				
36/ 35	.6	3.2	1.9	2.5														13	16	14	7				
34/ 33	1.9	1.3	1.9															8	25	24	11				
32/ 31		5.1	3.2	1.9														16	37	12	11				
30/ 29		1.3		1.9														5	20	11	12				
28/ 27	1.3	1.3	1.9	1.3														9	26	7	14				
26/ 25		.6	2.5	1.3														7	37	7	16				
24/ 23		3.2	1.9	1.3														10	29	9	8				
22/ 21			2.5	1.3														6	22	7	8				
20/ 19			2.5															4	12	5	6				
18/ 17		1.3																2	8	7	5				
16/ 15																			14	6	3				
14/ 13			.6															1	3		5				
12/ 11			.6															1	5		3				
10/ 9		.6																1	5	2	4				
8/ 7																			1	1	6				
6/ 5																			1		3				
4/ 3																					3				
2/ 1																					3				
0/ -1																					1				
-2/ -3																					3				
-4/ -5																					1				
-6/ -7																					2				
Element (X)	Σ x ²		Σ x		Σ		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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0600-0800
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65					.4	.8												3	3					
64/ 63		.4				.4	.4											3	3					
62/ 61		.4																1	1	1	1			
60/ 59		.8	.8															4	4	2	1			
58/ 57			.8	.4														3	4	3	2			
56/ 55		.4	.4	.4														3	4	3	1			
54/ 53		1.2	.4															4	5	5	3			
52/ 51		.8	.4	.8	.4													6	10	5	4			
50/ 49		.4	1.2	2.3	.4													11	14	5	1			
48/ 47	1.2	1.9	1.9	.4	.8													16	21	6	10			
46/ 45	1.2	2.7	1.9	1.5	.8													21	27	15	9			
44/ 43	1.5	2.3	2.3	.8	.4	.4												20	24	22	14			
42/ 41		3.8	3.5	1.2	.4													23	30	13	10			
40/ 39		3.1	1.9	3.1	.4													22	29	25	15			
38/ 37	1.2	1.2	2.7	2.7	1.5													24	34	20	20			
36/ 35		4.6	1.5	2.7	.4													24	28	17	12			
34/ 33		2.7	4.6	1.5	.4													24	26	26	19			
32/ 31		1.2	1.9	.8														10	12	20	11			
30/ 29	.4	.8	1.5	2.7	.4													15	19	24	16			
28/ 27	.4	2.3	1.9	.4														13	14	14	10			
26/ 25		.8	.8	.4														5	9	13	21			
24/ 23			.4															1	2	12	12			
22/ 21		.4	.4	.4														3	3	4	14			
20/ 19		.4																1	3	2	13			
18/ 17																				3	12			
16/ 15																			1		8			
14/ 13																					5			
12/ 11																					8			
10/ 9																					2			
8/ 7																					2			
6/ 5																					2			
0/ -1																					2			
TOTAL	5.8	32.3	31.2	22.3	6.5	1.5	.4											260	330	260	260			
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	1398048		18556		71.4		6.838		250		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	549632		13134		39.8		8.872		330			17.8					93							
Wet Bulb	367073		9495		36.5		8.858		260			32.9					93							
Dew Point	283566		8030		30.9		1.718		260		.7	49.4					93							

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PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

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MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
80/ 79									.2									1															1				
78/ 77								.2										1															1				
76/ 75							.4											2															2				
74/ 73						.4												2															2				
72/ 71				.2			.2											2															2				
70/ 69					.2													1															1				
68/ 67					.4	.2		.4			.6				.6			8															9				
66/ 65					.2	.4	.6	.2	.2									8															9	3			
64/ 63				.6	.4	.4	.7	.6	.2	.2						.2		16	20													4	1				
62/ 61			.4	.6	.7	.9	.4	.4	.4	.2								18	21													2					
60/ 59		.4		.4	.7	.6	.6	.6	.7									21	28													3					
58/ 57			.2	.6	.6	1.1	.6	.6	.6	.7								19	28													8	7				
56/ 55		.7	.4	1.1	.6	1.1	.9	.7										30	39													9	6				
54/ 53	.2	1.5	.2	.2	1.5	.9	.9											29	32												26	7					
52/ 51	.2	.6	.7	.9	.9	1.3	.9	.4	.2									33	40												21	16					
50/ 49	.4	1.5	1.5	1.9	1.3	1.1	2.2	.6										56	68												27	12					
48/ 47	.2	1.5	.2	1.1	1.3	1.9	2.4	.4										48	55												34	14					
46/ 45	1.1	1.3	.2	1.9	2.6	3.0	1.9	.2										65	68												54	30					
44/ 43		.6	.7	.7	3.0	1.3	1.5											42	46												37	23					
42/ 41		1.9	.4	.9	3.9	.6	.2											42	44												34	21					
40/ 39	.4	.4	.4	.7	1.3	.9												22	28												43	29					
38/ 37	.2	.4	.6	1.3	2.0													24	25												47	17					
36/ 35	.2	.9	.6	.9		.4												16	20												62	34					
34/ 33	.2	.2	.7	.6														9	15												44	16					
32/ 31		.9		1.3	.2													13	13												36	29					
30/ 29		.2	.7	.4														7	9												23	23					
28/ 27			.4	.4														4	7												6	31					
26/ 25																															9	36					
24/ 23																															7	36					
22/ 21																																	34				
20/ 19																																	31				
18/ 17																																	22				
16/ 15																																	24				
14/ 13																																	12				
Element (X)	ΣX^2			ΣX			\bar{X}	σ^2	No. Obs.			Mean No. of Hours with Temperature																									
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

PSYCHROMETRIC SUMMARY

71-78

MAR
MONTH

PAGE 2 1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

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MAF
MONT

PAGE 1 1500-1700
HOURS (L. S. T.)

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

71-73

YEARS

MAR
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1500-1700
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-74

MAR

STATION

STATION NAME

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PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
72/ 71																			1															
70/ 69																			1															
68/ 67																			1															
66/ 65							.3											1	5															
64/ 63				.7		.7												4	8															
62/ 61		.3	.7		.3	.3	.3											6	11															
60/ 59		1.0	.3	.3	.7	1.0	.3		.3	.3								13	21	4														
58/ 57					.7	1.4	.7											8	21	4	3													
56/ 55		.7	1.0	1.0	1.4	.3	1.0	.3										17	28	2	3													
54/ 53		1.0		2.4	1.0	1.4	1.4	.7										23	30	7	4													
52/ 51		.3	1.0	1.0	.3	1.4	.3	.3										14	24	10	3													
50/ 49		.3	.7	1.0	1.7	1.4	1.0											18	28	11	5													
48/ 47	.7	1.7	2.1	4.2	3.1	2.8		.3										43	56	24	5													
46/ 45		1.7	2.4	2.1	2.1	2.1	.7											32	44	20	10													
44/ 43		.3		1.7	2.1	2.4												19	34	22	13													
42/ 41		.7		1.7	2.1	2.4												20	26	34	17													
40/ 39	1.0	.3		1.0	1.7	1.0												15	21	23	26													
38/ 37		.7	.7	1.7	3.5	.7												21	27	25	10													
36/ 35		1.4	.3	.3	1.4													10	15	22	14													
34/ 33		.7		.7	1.0													7	14	22	11													
32/ 31			.3	1.4														5	10	21	14													
30/ 29		.3	.7	1.7														8	14	15	14													
28/ 27		.7																2	7	10	22													
26/ 25																			8	25														
24/ 23																			2	9														
22/ 21																				13														
20/ 19																				14														
18/ 17																				7														
16/ 15																				21														
14/ 13																				13														
12/ 11																				7														
10/ 9																				1														
8/ 7																				1														
6/ 3																				1														
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ													
Rel. Hum.																																		
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		
										Mean No. of Hours with Temperature																								
										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

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MARTIN MARIETTA AIRFIELD MD
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1800-2000
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

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MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71																			1		
70/ 69																			1		
66/ 65																			1		
64/ 63																			2		
62/ 61					.6													1	1		
60/ 59	.6	1.8																4	10	2	2
58/ 57		.6		.6				.6										3	9	3	1
56/ 55				.6														1	11		2
54/ 53		.6	.6	1.2		.6												5	15	1	
52/ 51		1.2	2.9	1.2	.6	.6	1.2											13	26	4	
50/ 49	.6	.6	.6	1.2	.6	1.8												9	23	4	5
48/ 47	1.2	1.8	1.2	1.8	.6													11	21	11	3
46/ 45		2.9	5.9	2.4	4.1	.6												27	40	5	4
44/ 43		.6	.6	2.4	1.8	1.8												12	23	13	13
42/ 41		1.2		4.7	4.7													18	38	16	4
40/ 39		1.2	2.9	2.9	3.5													18	27	16	7
38/ 37	.6	1.2	.6	3.5	1.2	.6												13	20	12	9
36/ 35			.6	2.9	2.4													10	22	21	9
34/ 33		2.9	1.2	2.9	.6													13	20	15	4
32/ 31				2.9	.6													6	11	17	8
30/ 29				.6														1	7	10	16
28/ 27	.6	.6	1.2	.6														5	11	12	16
26/ 25																			2	6	8
24/ 23																			2	2	10
22/ 21																			1		11
20/ 19																					8
18/ 17																					7
16/ 15																					13
14/ 13																					4
12/ 11																					2
10/ 9																					4
TOTAL	3.5	17.1	18.2	32.4	1.2	5.9	1.8											170	345		170
Element (X)	Σx ²	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	720097	10617	62.5	18.371	170	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	680675	15029	43.6	8.690	345		9.2	.5				93									
Wet Bulb	252412	6420	37.8	7.678	170		25.7					93									
Dew Point	173551	5087	29.9	1.234	170		58.5					93									

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

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MARTIN MARIETTA AIRFIELD MD
STATION NAME

71-78

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ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

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STATION NAME

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0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
72/ 71				.4	.4	1.1												5	5			
70/ 69			.4		.4		.4	.4										4	4			
68/ 67			1.8	.7	.4	.7	.4											11	13	1		
66/ 65		.7	.7			.4												5	6	3	1	
64/ 63			.7	.7														4	5	8	1	
62/ 61		.7			1.5	.4												7	8	7	7	
60/ 59		1.1	.4	.4	.4	1.1	.7											11	13	5	6	
58/ 57		1.5	.4	1.1	1.8	.7	1.1	1.1										21	22	10	4	
56/ 55		1.1	1.5	.4	1.1	.7	.7											15	16	8	11	
54/ 53	.7	.7	1.8	1.5	1.8	2.2												24	35	12	7	
52/ 51		1.1	.7	2.2	4.0	1.8												27	29	11	4	
50/ 49	.4	1.5	1.8	2.2	1.5	1.1												23	39	16	15	
48/ 47	.7	1.1	.7	3.7	3.3	.4	.4											28	34	25	13	
46/ 45		1.8	3.3	2.2	2.2		.7											28	34	28	10	
44/ 43		2.6	1.5	1.5	1.5	.4												20	23	31	12	
42/ 41	.4		.7	.7	2.2	.7												13	17	34	19	
40/ 39			1.1	1.8	.4													9	12	22	21	
38/ 37			1.5	1.5	.4													9	12	11	10	
36/ 35		.4																1	3	10	30	
34/ 33				1.1	.4													4	4	19	19	
32/ 31				.7														2	3	3	17	
30/ 29																				2	19	
28/ 27		.4																1	1	4	7	
26/ 25																				2	9	
24/ 23																					6	
22/ 21																					9	
20/ 19																					4	
18/ 17																					2	
16/ 15																					4	
14/ 13																					4	
12/ 11																					1	
TOTAL	2.2	14.7	19.1	22.8	23.5	11.8	4.4	1.5										272	338	272	272	
Element (X)	Σ x²		Σ x		Σ	Σ²	No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.	1197955		17451		64.2	17.001	272		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90							
Dry Bulb	889678		17104		50.6	8.466	272			1.1	5.9				90							
Wet Bulb	577782		12318		45.3	8.578	272			3.6	.3				90							
Dew Point	43242		10466		38.5	1.426	272			27.1					90							

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD
STATION STATION NAME

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PAGE 1 0900-1100
HOURS (L - S - T)

HOURS (L.S.T.)

[illegible]

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-78

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
88/ 87											.5			.5				6	6						
86/ 85										.4	.2	.2		.4				6	6						
84/ 83										.4	.2	.2						4	5						
82/ 81										.2		.2						2	2						
80/ 79							.2	.4		.2	.2							5	6						
78/ 77						.2	1.4	.2		.2	.2	.2						13	13						
76/ 75						.9	.2		.4	.2	.2	.4						12	12						
74/ 73					.4					.2	.2							4	4						
72/ 71				.2	.2	.2	.5	.7	.4									12	13						
70/ 69			.4	.5	1.1	.9	1.6	.5	.7	.4								34	41						
68/ 67				.2	.5		1.3	.5	1.6	1.1								29	33	14					
66/ 65				.5	.2	.5	.9	.9	1.4	.5		.2						29	34	18	1				
64/ 63		.2	.7	.5	.9	.7	1.4	.7	1.6	.4								40	41	5	2				
62/ 61		.2	.7	.5	.7	.7	1.8	2.3	.9	.2								45	47	16	8				
60/ 59		.4	.4	1.1	.5	1.1	2.5	2.2	1.1									51	55	25	16				
58/ 57	.2	.2	.4	.4	.7	1.6	2.3	1.6	.5									44	46	21	17				
56/ 55		.2	.7	1.1	.4	2.3	2.0	.9	.2									43	54	36	9				
54/ 53	.4	.7	.7	.2	.5	1.4	2.0	.4										35	43	40	17				
52/ 51	.5	1.8	.5	.4	1.3	1.1	1.1	.4										39	44	49	18				
50/ 49	.2	.9	.2	.2	.4	1.1	1.6	.5										28	30	63	31				
48/ 47	.2	.9			.5	2.0	.5		.2									24	24	61	25				
46/ 45	.4			.2	.7	.4	.9											14	14	59	41				
44/ 43	.2	1.1	.4	.2	.9	.7	.4											21	24	41	29				
42/ 41		.7			.2	.4												7	7	26	21				
40/ 39		.2			.4													3	5	24	23				
38/ 37	.2																	1	2	30	40				
36/ 35	.4																	2	2	11	41				
34/ 33				.2														1	1	8	35				
32/ 31			.4															2	2	6	38				
30/ 29																				1	33				
28/ 27																				2	21				
26/ 25																					23				
24/ 23																					13				
22/ 21																					21				
Element (X)	Σ X ²		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature												Total		
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD
STATION STATION NAME

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HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

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PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
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1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-78

APR

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
86/ 85														.3								1	2		
84/ 83									.3				.3	.3								2	4		
82/ 81									.3													1	3		
80/ 79									.3													1	1		
78/ 77				.3		.3	.3	.3														4	8		
76/ 75					.7	.3	.3	.3		.3												4	7		
74/ 73					.3	.3				.3												3	7	1	
72/ 71					.7	.3	.7	.7			.3											7	11		
70/ 69					1.0	1.3	.3		.7	1.0	.3											14	19		1
68/ 67					.3	1.7	.3	.7	.7	1.0	.3											14	20	3	
66/ 65			.3	.7	.7	1.3	.3	1.0	1.3	.3												16	26	7	
64/ 63			.3	.7	2.0	1.0	.3	2.0	.7	.3												22	30	3	1
62/ 61			.3	.3	1.0	.7	.3	2.0	.3													15	22	6	3
60/ 59			.3	.3	1.7	1.7	4.3	.3	.3													26	37	9	2
58/ 57			.3		1.3	2.0	3.0	1.0	1.0													26	39	18	8
56/ 55		.7	1.0	.7	2.6	3.6	2.3	1.3														37	56	9	7
54/ 53	1.0	.7	1.7	1.0	1.0	2.3	1.0	1.0														29	46	21	7
52/ 51	.3	1.0	1.0	1.0	1.0	1.7	.3	.3														20	30	28	13
50/ 49				1.7	2.0	1.0	1.0															17	28	35	17
48/ 47			.7	1.0	.7	1.7	.3															13	17	36	13
46/ 45		.3			2.0	.3																8	13	38	14
44/ 43		.3		.3	1.0	.3																6	8	27	12
42/ 41		.3			1.3																	5	6	16	17
40/ 39		1.0	.7																			5	8	14	16
38/ 37		1.0																				3	3	18	23
36/ 35																								8	24
34/ 33																								2	27
32/ 31																									24
30/ 29	.3																					1	1	1	10
28/ 27	.7																					2	2	2	16
26/ 25																									10
24/ 23																									12
22/ 21																									8
20/ 19																									6
Element (X)	Σ X ²			Σ X			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26 3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD 71-78

YEARS

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MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
78/ 77																		1	3		
76/ 75					.6													2	3		
74/ 73				.6		.6												4	6		
72/ 71																		5	4		
70/ 69				1.3						.6								3	5		
68/ 67																		2	2		
66/ 65					1.3	2.6	1.3											8	12		
64/ 63				.6	.6	1.9	.6	1.9										9	12	2	
62/ 61			.6	.6	2.6		1.3											8	17	1	
60/ 59			.6		1.3		.6											4	12	1	
58/ 57			.6	1.3	1.9	3.2	1.3											13	37	6	
56/ 55				1.9	.6	3.9	3.2											15	25	8	
54/ 53	1.3	2.6	1.3	3.9	1.9	2.6												21	35	10	
52/ 51	1.3		2.6	.6	2.6													11	35	16	
50/ 49		.6		2.6	3.2		1.3											12	22	15	
48/ 47			2.6		3.2	1.3												11	33	16	
46/ 45			1.3	.6	3.9	4.5												16	27	16	
44/ 43		1.3		.6	1.3	.6												6	8	15	
42/ 41		.6			2.6													5	5	11	
40/ 39		.6			.6													2	8	18	
38/ 37		2.6		.6														5	11	12	
36/ 35		.6																1	1	12	
34/ 33																				4	
32/ 31																				1	
30/ 29		.6																1	1	5	
28/ 27	.6																	1	1	10	
26/ 25																				1	
24/ 23																				3	
22/ 21																				5	
20/ 19																				5	
18/ 17																				1	
TOTAL	3.2	9.7	9.7	15.5	28.4	21.3	9.7	1.9		.6								155	325	155	
Element (X)	Σ x ²		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.	592713		9201		59.4		17.382		155		≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	90				
Dry Bulb	958747		17427		53.6		8.657		325			.6	6.6	3.3			90				
Wet Bulb	336714		7128		46.0		7.610		155			1.7	1.2				90				
Dew Point	240401		5907		38.1		2.963		155			24.4					90				

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-78

APR
MONTH

STATION

STATION NAME

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31					Dry Bulb	Wet Bulb	Dew Point			
90/ 89												.0									1	1					
88/ 87											.1		.0	.2							9	10					
86/ 85										.2	.0	.1	.0	.2							14	16					
84/ 83									.2	.1	.1	.0									12	17					
82/ 81						.0	.0	.2	.3	.1	.1	.0									12	19					
80/ 79						.0	.0	.2	.1	.1	.0		.1								14	16					
78/ 77				.0		.1	.6	.1	.0	.0	.0	.0									24	32					
76/ 75				.0	.1	.3	.0	.1	.2	.1	.0	.2		.0							28	37					
74/ 73				.0	.5	.3	.2	.1	.1	.2	.1										35	43	1				
72/ 71				.1	.5	.6	.3	.3	.5	.2	.2		.1								63	80					
70/ 69			.2	.1	.6	.8	.4	.8	.5	.6	.3										99	119	2	1			
68/ 67			.3	.4	.3	.5	.7	.3	.8	.6	.1	.0									96	120	38				
66/ 65		.1	.2	.3	.6	.8	.7	.5	1.2	.4	.0	.0									115	145	53	3			
64/ 63		.1	.6	.6	.7	.9	.6	1.1	1.0	.5											145	166	39	11			
62/ 61		.2	.3	.4	.9	.8	1.2	1.2	.6	.0											139	161	76	42			
60/ 59	.1	.3	.2	.6	.6	1.1	2.4	1.5	.5												167	204	68	47			
58/ 57	.0	.4	.4	.5	1.2	1.5	2.4	1.0	.6												186	241	94	53			
56/ 55	.1	.5	1.0	.9	1.0	2.6	1.8	.7	.0												204	258	115	56			
54/ 53	.5	.9	1.0	.8	1.4	1.8	1.3	.5													193	261	134	70			
52/ 51	.3	1.2	.8	.8	1.9	1.5	.7	.3													175	225	184	72			
50/ 49	.2	.8	.4	1.0	1.3	1.1	1.1	.3													149	192	250	118			
48/ 47	.2	.4	.6	.8	1.3	1.2	.4	.1	.0												121	158	226	107			
46/ 45	.2	.6	.6	.5	1.4	1.0	.5														113	140	282	145			
44/ 43	.1	1.1	.4	.5	.9	.5	.1														84	97	204	101			
42/ 41	.1	.5	.1	.1	1.0	.4															52	58	149	108			
40/ 39		.3	.2	.2	.3	.1															26	68	124	124			
38/ 37	.0	.4	.2	.3	.2																25	36	110	142			
36/ 35	.1	.1		.1	.0																8	10	69	205			
34/ 33				.3	.1																8	8	52	162			
32/ 31	.1		.1	.1																	6	7	19	164			
30/ 29	.1	.0	.1																		5	5	15	136			
28/ 27	.1	.0	.0																		5	5	12	94			
26/ 25																							5	81			
24/ 23																								66			
Element (X)	Σ X ²				Σ X				Σ				Σ X				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

78-78

APR
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

71-78

MAY
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

71-76

YEARS

MAY
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD 71-76 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
92/ 91												.2																						1	1					
90/ 89									.5		.4																							5	5					
88/ 87																																				1				
86/ 85									.2		.2																							2	2					
84/ 83						.2	.4	.4	.2	.2	.4	.2																					10	11						
82/ 81						.7	.4	.2	.2	.7																								14	15					
80/ 79				.5	.5	1.5	.7	1.8	.2	.5	.2	.2																					34	34						
78/ 77				.4	1.4	.5	.7	1.6	.5	1.3	.9																						40	43						
76/ 75				1.1	.9	2.4	1.6	.9	1.3	.4	.2	.2	.2																				50	57	2					
74/ 73		.2	.4	1.6	.7	1.6	1.5	.4	1.1	.4			.2	.2																			45	52	7					
72/ 71			.4	.5	1.5	1.3	1.1	.9	.2	.5	.2	.7																					40	47	11	3				
70/ 69		.4	.7	1.6	.7	.9	.7	1.3	.7	1.1	.2	.2																					47	57	35	5				
68/ 67		.4	.5	.5	.2	1.8	1.3	1.1	.5																								35	42	36	18				
66/ 65		.3	.9	1.1	.9	1.6	2.9	1.3	1.1	.5																							62	65	41	28				
64/ 63	.4	.4	.7	.7	1.0	1.1	1.3	.2	.4																								37	43	62	27				
62/ 61	.9	.7	.7	1.6	1.1	.4	.4	.2	.4																								35	39	49	33				
60/ 59	.5	1.3	.4	.5	.4		.5	.4	.5																								25	29	43	40				
58/ 57	.2	.7	.4	.2	.7	.4	.5	.2																									18	19	61	50				
56/ 55	.7	1.3			.2		1.3	.4																									21	27	51	39				
54/ 53		1.1			.4	.2	1.5																										17	18	54	25				
52/ 51		.5		.4																														5	8	27	52			
50/ 49	.4		.2	.2																														4	6	24	32			
48/ 47																																			3	5	10	27		
46/ 45			.5																																	20	41			
44/ 43																																				11	20			
42/ 41																																				6	24			
40/ 39																																					16			
38/ 37																																					11			
36/ 35																																					12			
34/ 33																																					5			
32/ 31																																					9			
30/ 29																																					12			
28/ 27																																					12			
26/ 25																																					8			
Element (X)	Σ X ¹					Σ X					Σ					Σ					Σ					Σ					Σ					Σ				
Rel Hum																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

71-78

MAY
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD 71-78

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point			
92/ 91									.2			.5						3	3					
90/ 89												.2						1	1					
88/ 87																				1				
86/ 85							.2	.5	.5									5	6					
84/ 83						.5	.2	.2		.2		.2						6	12					
82/ 81					.2	.5	.7	.7	1.2	.7	.5	.7	.2					23	37					
80/ 79					.2	.7	1.2	1.0	1.7	.2	.2	.2						23	26					
78/ 77				.2	.2	1.2	1.7	1.2	1.0	2.2	.5	.2	.2					36	47					
76/ 75				.5	1.0	.5	2.0	.7	.5	.2	.5	.2	.2					26	37	1				
74/ 73				.5	1.0	2.0	.7	1.5	.5	1.7	.2							33	39	5				
72/ 71	.2	.2		.5	1.7	1.7	.7	.5	2.2	.2	.5	.2						36	56	12	1			
70/ 69			.7	.7	.7	2.0	.7	.5	1.0	1.7	.2	.2						35	48	13	6			
68/ 67		.5	.5	.5	1.0	.2	.5	2.0	.7	.5								26	34	25	7			
66/ 65	.2	.2	.7	1.2	1.2	1.7	1.2	1.2	.2	.7								36	41	31	14			
64/ 63		1.0	.7	.7	.7	1.2	.2	.2										21	22	47	16			
62/ 61	.7	.7	.2		2.0	.7	.5	.5	.7									25	29	33	26			
60/ 59	.7	3.2	.7	.2	.2			1.5										27	34	52	35			
58/ 57	.2	1.2	.5				.2	.7										12	17	40	34			
56/ 55	.7	.7	.7			.2	1.0	.5										16	22	43	34			
54/ 53		.7	.2		.7		.2											8	10	36	29			
52/ 51					.2													1	4	25	25			
50/ 49	.7																	3	9	9	28			
48/ 47																				9	22			
46/ 45																			1	12	23			
44/ 43																		2	8	20				
42/ 41																				1	18			
40/ 39																					11			
38/ 37																					7			
36/ 35																					8			
34/ 33																					8			
32/ 31																					8			
30/ 29																					13			
28/ 27																					5			
26/ 25																					4			
Element (X)	Σx^2		Σx		\bar{x}		s_x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 STATION MARTIN MARJETTA AIRFIELD MD 71-78 YEARS MAY MONTH
PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb		Dew Point			
90/ 89																						1			
84/ 83							.3														1				
82/ 81						.3			.7		.3	.3									5	10			
80/ 79				.3	1.0	.7	.7	1.4	.3	.7	.3										16	23			
78/ 77						.7			.7	.7		.3									7	23			
76/ 75				.3	1.0	1.4	.7	.7	.7	.3											15	27			
74/ 73				1.4	1.7	1.7	1.0	2.1		.3											24	37	2		
72/ 71			1.4	.3	1.7	3.5	.7	1.0	.3	1.0	.3										30	37	4		
70/ 69		.3	1.4	1.0	3.5	1.0	1.0	1.4	.7	.3											31	44	8	1	
68/ 67			.7	.3	1.7	1.0	3.1	.7	1.0												25	44	20	8	
66/ 65				2.1	1.4	1.7	1.0	.3	.3	.3											21	35	16	13	
64/ 63		1.4	1.7	2.4	.7	2.4	1.7	.3	.3												32	45	21	6	
62/ 61	.3	1.4		1.0	1.7	.3	.3	.7													17	22	40	15	
60/ 59	.7	1.0	1.0	.3	1.0	1.4		.3													17	29	21	22	
58/ 57	.3	1.4	.7	1.0		.7	.3														13	16	29	31	
56/ 55		1.0				.3	.7														6	15	33	26	
54/ 53		1.7			.3	1.0	.3														10	15	26	18	
52/ 51		1.4		.3		.3															6	7	21	18	
50/ 49	.3		.7		.7																5	9	9	27	
48/ 47	.3	.3		.3																	3	5	6	20	
46/ 45	.3	.3																			2	5	10	25	
44/ 43																							7	8	
42/ 41																							3	11	
40/ 39																								12	
38/ 37																								5	
36/ 35																								5	
34/ 33																								3	
32/ 31																								4	
30/ 29																								7	
28/ 27																								1	
TOTAL	2.4	10.5	7.7	11.5	16.8	19.2	11.9	9.1	5.2	3.8	1.0	.7									286	452	286	286	
Element (X)	Σ x ²		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature								Total						
Rel. Hum.	1158850		17408		60.9		8.664		286		≤ 0 °	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb	2055752		30246		66.9		8.399		452				51.2	25.5	3.9				93						
Wet Bulb	972145		16617		58.1		8.669		286				11.1	.7					93						
Dew Point	782341		14727		51.5		9.177		286			3.9	2.9						93						

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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USAFETAC

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

71-75, 77-78

MAY
MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

71-78

YEARS

MAY

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-78

JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89																		3	3					
88/ 87				.2		.2	.7	.3	.2	.2	.2	.2						11	11					
86/ 85			.2	.2		.3	.3	.9	.5	.2								15	18					
84/ 83			.2	.2	.5	.9	1.6	.3	.9	.7								30	33					
82/ 81				.7	1.2	3.3	1.2	1.0	.5	.2	.2							48	51	2				
80/ 79			.3	2.1	3.3	2.2	1.2	1.4	.2	.2	.3							65	69	2	2			
78/ 77		.3	1.0	3.1	3.1	1.6	.9	.9	.7	.3								69	74	3	1			
76/ 75		.5	.9	3.1	1.9	1.7	.7	1.7	.9	.2								67	78	19	4			
74/ 73		.7	1.7	1.2	.7	1.0	.7	1.2	.3	.5								47	53	65	12			
72/ 71	1.4	1.2	1.2	1.4	1.6	1.6	1.4	.9	.3									63	65	82	43			
70/ 69	.2	.9	1.6	1.6	1.2	.3	1.0	1.0	.5									48	49	69	59			
68/ 67		1.0	1.0	.3	.2	.3	.5		.2									21	24	52	75			
66/ 65	.3	1.4	1.4	.7	1.0	.3	.3	.2	.2									34	35	73	52			
64/ 63	.2	.9	.5	.9	1.0	.7		.3										26	29	35	41			
62/ 61		1.0	.3	.2	.2	.2	.3											13	13	58	54			
60/ 59		.3	.2		.2	.3	.2											8	9	30	43			
58/ 57		.5					.3											5	5	36	36			
56/ 55		.2			.2	.2												3	3	17	32			
54/ 53		.3																2	2	14	20			
52/ 51																				5	36			
50/ 49																				6	14			
48/ 47																					14			
46/ 45																				3	15			
44/ 43																					5			
42/ 41																					6			
40/ 39																					5			
38/ 37																					4			
36/ 35																					1			
34/ 33																					1			
32/ 31																					2			
30/ 29																					1			
TOTAL	2.1	9.5	10.6	15.7	16.3	15.2	11.4	10.2	5.4	2.6	.9	.2						578	624		578			
																						578		578
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum	2635564		37012		65.4		16.753		570		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	3480191		46407		74.4		6.810		624						76.2		56.3		21.3				90	
Wet Bulb	2549511		38211		66.1		0.371		570						46.9		14.2		.5				90	
Dew Point	2203067		35331		61.1		0.674		570				.5		30.5		3.0		.2				90	

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 STATION MARTIN MARIETTA AIRFIELD MD 71-73 YEARS JUN MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
94/ 93										.2							1	1		
92/ 91									.2	.2	.2						3	3		
90/ 89				.4	.2		.4		.2	.5	1.1	.4	.5				20	20		
88/ 87					.4	.7	.2	.7	.9	.5	.4	.4					23	26		
86/ 85					.7	1.2	1.1	1.1	.9	.4	.9						37	42		
84/ 83			.2		.9	2.0	2.1	1.4	1.2	.9	.2			.4			52	58	2	
82/ 81				1.4	4.3	2.3	1.4	1.8	.9	.5	.7						75	83	2	2
80/ 79				2.1	3.2	2.5	1.2	1.1	1.6	.5	1.1		.2				76	84	3	2
78/ 77			.7	1.2	2.0	.5	.2	2.0	1.4	1.1	.4						53	60	11	3
76/ 75		.4	.2	2.0	.7	.9	.5	1.8	2.0	.4	.2						50	59	30	2
74/ 73		.4	.4	1.9	1.2	1.1	1.1	.9	.5	.4	.2						43	45	34	19
72/ 71	.5		.5	.5	.5	.4	.7	1.2	.7								29	32	60	46
70/ 69		.4	.9	.2	.7	.7	1.1	.5	.5								28	29	61	43
68/ 67		.7	.5	.7	.9	.5	.2	.2		.4							25	25	56	61
66/ 65	.5	.7	.2	.5	.2	1.1	.2	.2	.4								22	23	54	47
64/ 63		.2	.7			.4	.5	.2									11	11	44	48
62/ 61		.2	.2	.2				.2									4	4	55	40
60/ 59		.4	.2														3	6	36	26
58/ 57		.4	.7														6	6	27	39
56/ 55		.2															1	1	17	25
54/ 53																			10	40
52/ 51																			6	31
50/ 49																			3	23
48/ 47																			1	25
46/ 45																				12
44/ 43																				5
42/ 41																				10
40/ 39																				2
38/ 37																				5
36/ 35																				2
34/ 33																				4
TOTAL	1.1	3.7	5.4	11.0	15.1	14.2	10.9	13.5	11.4	5.9	5.2	1.1	1.1				562	618	562	
Element (X)	Σ x'		Σ x		Σ x		Σ x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.	2047540		32568		58.0		6.970		562		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	374.432		47933		77.6		6.962		614				82.6	70.0	40.0	.1	90			
Wet Bulb	253.043		37555		66.8		6.469		562				45.5	21.1	.6		90			
Dew Point	2102425		33281		60.5		7.229		562				20.5	4.5	.2		90			

FORM 0-25-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

93744

MARTIN MARIETTA AIRFIELD MD

71-78

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

71-74

YEARS

JUN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
94/ 93									.0	.0							2	2		
92/ 91					.0			.0	.1	.1	.0	.0					9	9		
90/ 89				.1	.1	.0	.1	.1	.1	.2	.4	.4	.1				39	41		
88/ 87				.1	.2	.2	.4	.3	.3	.3	.5	.2					58	72		
86/ 85			.0	.1	.3	.9	.6	.7	.6	.6	.3	.1					97	116		
84/ 83			.3	.1	.6	1.5	1.6	.7	.7	.5	.1	.1	.1				143	171	6	
82/ 81			.2	.6	2.1	2.5	1.3	1.2	.4	.3	.5	.2		.0			217	251	6	6
80/ 79			.3	1.6	2.8	2.6	.9	1.1	.8	.6	.8	.0	.0				269	322	15	6
78/ 77		.3	.7	2.0	2.6	.9	.6	1.2	.9	.6	.1						229	296	30	11
76/ 75		.3	1.3	2.8	1.2	1.0	.5	1.2	1.0	.3	.0						222	286	87	21
74/ 73	.1	1.0	1.6	1.9	.8	1.1	.8	.8	.3	.3	.0						201	267	247	48
72/ 71	.7	1.1	1.4	1.2	1.1	.9	1.1	1.0	.3	.1	.0						205	266	236	147
70/ 69	.3	1.2	1.4	.8	1.1	.7	.7	.6	.5	.1							170	212	299	236
68/ 67	.0	.9	.8	.9	.7	.7	.3	.2	.0	.1							109	141	254	270
66/ 65	.4	1.7	.9	.9	.7	.5	.4	.1	.1								132	154	216	238
64/ 63	.1	.7	.7	.4	.5	.4	.1	.1									73	92	179	188
62/ 61		.7	.6	.2	.3	.1	.1	.0									48	61	224	169
60/ 59	.0	.7	.3	.3	.2	.2	.0										40	59	157	149
58/ 57		.3	.4	.3	.1	.0	.1										28	38	123	151
56/ 55		.1	.1	.1	.1	.0											10	14	62	123
54/ 53		.1				.0											5	7	54	121
52/ 51	.0				.0	.0											3	4	28	125
50/ 49																			17	77
48/ 47				.0													1	1	1	77
46/ 45																			5	54
44/ 43																			3	22
42/ 41																			1	24
40/ 39																				12
38/ 37																				15
36/ 35																				7
34/ 33																				8
32/ 31																				4
30/ 29																				1
Element (X)	Σ X ¹		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

ALL

HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

71-78

JUL
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

71-78

YEARS

JUL
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

71-78

JUL

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

71-78

YEARS

JUL
MONTH

PAGE 1

ALL
YOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point												
98/ 97									.0									1	3													
96/ 95							.1	.1	.1	.2	.0		.0					14	17													
94/ 93						.2	.1	.1	.4	.5	.2							37	42													
92/ 91					.0	.2	.1	.3	.3	.3	.0							35	48													
90/ 89				.0	.1	.4	.8	.9	.5	.3	.3	.2						80	115													
88/ 87			.0	.1	.2	.8	1.1	.7	.5	.7	.4	.0						102	134													
86/ 85			.0	.3	1.2	1.8	1.2	1.4	1.3	.6	.1	.0		.0				182	227	2												
84/ 83				.9	2.2	1.2	1.3	2.2	1.0	.7	.3	.0		.0				219	279	13	1											
82/ 81		.1	.3	2.2	2.6	1.7	3.1	1.3	1.2	.7	.0							299	357	14	4											
80/ 79		.2	.6	2.6	2.0	3.1	.8	1.3	.9	.3	.4							270	346	50	16											
78/ 77		.4	1.6	2.0	2.6	1.3	.9	.8	.6	.3	.1							234	299	125	20											
76/ 75		.9	1.8	1.7	1.6	1.3	1.0	.8	.9	.4	.0							229	311	249	87											
74/ 73		1.7	1.5	2.2	1.0	1.0	1.0	.3	.2	.0								201	249	283	149											
72/ 71	.1	1.4	1.2	.9	.7	.8	.5	.1	.0	.0								127	171	303	262											
70/ 69	.2	.8	1.0	.7	.7	.8	.2	.1										99	124	363	255											
68/ 67		.2	.3	.4	.3	.3	.1											38	55	251	231											
66/ 65		.4	.4	.1	.4	.0	.0											32	47	201	221											
64/ 63		.1	.1	.2	.0													11	39	131	268											
62/ 61	.0	.0	.2	.0	.1													11	26	108	163											
60/ 59		.2																5	13	79	115											
58/ 57		.2	.0															5	9	41	121											
56/ 55																				17	98											
54/ 53																				1	81											
52/ 51																					62											
50/ 49																					20											
48/ 47																					26											
46/ 45																					21											
44/ 43																					5											
42/ 41																					2											
40/ 39																					2											
38/ 37																					1											
TOTAL	.3	6.6	9.2	14.5	15.6	15.1	12.5	10.3	8.0	5.0	2.4	.4	.0	.1					2911		2231											
																		2231		2231												
Element (X)	Σx²		Σx		X		x̄		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.	9475795		141251		63.3		15.457		2231		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb	18221312		229444		78.8		6.852		2911						709.8		620.3		351.2		15.6		744									
Wet Bulb	10936997		155743		69.8		5.390		2231						551.2		245.4		14.0				744									
Dew Point	9501749		144699		64.9		7.237		2231						341.8		92.4		4.3				744									

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

AUG
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

AUG

PAGE 1 0900-1100
HOURS (L. S. T.)

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-7a

YEARS

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. Y.)

PSYCHROMETRIC SUMMARY

70-76

AUG
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

70-76

SEP
MONTH

PAGE 2

1200-1400
HOURS (L. E. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

YEARS

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

YEARS

SEP

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

YEARS

SEP
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

9477 54321

70-76

YEARS

QCT
MONTH

0900-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 77

PSYCHROMETRIC SUMMARY

70-78

OCT
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

70-78

NOV
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85											.4							2	2		
84/ 83									.2		.2							2	2		
82/ 81						.2		.2		.2								3	4		
80/ 79						.4			.8									6	7		
78/ 77					.6	.4	.2	.4	.2									9	11		
76/ 75				.4	.2	.2	.8	.2	.2									10	12		
74/ 73				.4	.6	.4	.4	.2	1.0	.4								17	21		
72/ 71			.6	1.5	1.9	.8	1.5	1.0	.6	.2								39	45	1	
70/ 69	.2	.4	1.7	.6	1.9	1.5	1.0	1.7	.4	.2								46	51	8	1
68/ 67	.2	.4	1.5	2.3	1.9	1.5	1.5	1.0	.2									50	62	18	3
66/ 65	.2	.4	1.7	1.9	2.5	.6	1.5	.6	.6									48	66	32	15
64/ 63	.2	1.7	1.9	1.5	2.1		.2	.8	.2	.4								43	59	37	23
62/ 61			.2	.8	.8	1.7	1.0	2.7	.2	.2								37	51	38	20
60/ 59		1.7	.8	.8	.8	2.1	2.1	.4	.4									44	76	49	26
58/ 57	.6		.2	.8	1.9	.4	1.5	.2										27	36	57	40
56/ 55	.6	.6		.2	.6	.8	2.1											24	33	35	29
54/ 53		.2		.8	.6	1.5	.6											18	23	25	35
52/ 51		.8			.6	.8	.4											13	21	28	34
50/ 49			.2	.2	.6	1.7	.2											14	15	31	21
48/ 47			.4		.8	.8												10	10	31	22
46/ 45				.8	.6	.6												10	13	23	21
44/ 43				.2														1	1	22	20
42/ 41		.6					.4											5	5	12	30
40/ 39		.4		.2														3	3	20	18
38/ 37	.2																	1	1	11	9
36/ 35																				1	20
34/ 33																				1	23
32/ 31																					20
30/ 29																				2	14
28/ 27																					16
26/ 25																					12
24/ 23																					6
22/ 21																					1
20/ 19																					1
Element (X)	Σ x ²		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NCT
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-78

POST
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

QCT
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-78

YEARS.

POST
MONITOR

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
86/ 85										.0	.2	.0						7	7						
84/ 83									.0	.0	.1							4	4						
82/ 81						.1		.0	.1	.1	.0							10	13						
80/ 79					.1	.1		.2	.2									15	18						
78/ 77				.0	.3	.1	.3	.1	.0									24	28						
76/ 75				.3	.1	.1	.2	.1	.1	.0								28	36						
74/ 73			.1	.4	.4	.3	.4	.1	.5	.1								62	73						
72/ 71		.5	.3	.6	1.1	.4	.5	.4	.2	.0								111	123	10	2				
70/ 69	.1	.8	1.6	.8	.9	.8	.3	.6	.3	.1								179	187	38	19				
68/ 67	.1	.6	1.0	1.5	1.0	.9	.5	.4	.1									169	195	67	24				
66/ 65	.2	1.8	1.3	1.3	1.6	.7	.9	.5	.3	.1								237	284	155	66				
64/ 63	.4	1.5	2.0	1.9	1.0	.9	.5	.3	.1	.1								241	285	162	124				
62/ 61	.3	1.9	1.3	.9	1.3	1.3	.6	.7	.1	.0								234	282	162	117				
60/ 59	.3	2.6	1.1	.9	1.2	1.4	1.0	.5	.1									255	340	253	125				
58/ 57	.4	1.4	.8	.9	1.7	1.0	1.0	.2										204	271	275	224				
56/ 55	.6	1.3	.6	1.4	.7	1.0	1.0	.1										145	240	188	198				
54/ 53	.1	1.0	.7	1.4	.8	1.0	.5	.0										153	214	190	157				
52/ 51	.2	1.3	.9	1.1	.6	.7	.2											138	197	179	153				
50/ 49	.0	.6	.7	1.0	1.1	1.0	.1											125	168	198	123				
48/ 47		1.1	.9	.7	.7	.6												109	139	191	145				
46/ 45	.2	.8	.5	.8	.6	.2												89	117	185	174				
44/ 43	.0	.8	.5	.1	.4	.2												57	78	143	161				
42/ 41		.4	.3	.3	.2		.1											38	52	106	155				
40/ 39		.5	.5	.4	.1													42	52	97	139				
38/ 37	.1	.3	.1	.3	.1													26	31	61	75				
36/ 35	.1	.3	.2	.1														19	19	55	117				
34/ 33		.1	.1	.0														8	8	21	109				
32/ 31	.1	.0	.1	.1														7	7	22	98				
30/ 29		.0	.0															2	2	14	83				
28/ 27		.0																1	1	3	59				
26/ 25																				4	58				
24/ 23																					33				
22/ 21																					14				
20/ 19																					16				
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

70-78

QCT
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

0900-1100
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-78

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 MARTIN MARIETTA AIRFIELD MD

70-70

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 61						.2			.2									2	2		
80/ 79						.2					.2							2	2		
78/ 77									.2									1	1		
76/ 75								.4	.4									4	5		
74/ 73				.4	.2		.4	.2	.2									7	10		
72/ 71				.2		.4	.4	.2	.2									6	7	1	
70/ 69						.2	.4	.2	.2	.2	.2							6	7	1	
68/ 67				.2			.4	.2		.2	.2							6	8	3	
66/ 65		.4	.4	.2		.8	.8											13	23	2	1
64/ 63		.8	.2	.2	.4	.4		.6										13	20	7	3
62/ 61		.6	.2	1.2	.4	1.0	.6	.6	.4									25	30	12	7
60/ 59	.2	.2	.8	.4	.4	.6	.8	1.0	.4									24	33	9	7
58/ 57	.6	.6	1.2	.6	.4	1.6	1.0	.2										31	44	17	9
56/ 55	.4	.6	1.6	1.6	1.0	1.2	.6											35	39	25	11
54/ 53		1.8	2.0	1.0	2.0	1.0	1.4											46	52	21	16
52/ 51	.4	.4	.6	1.4	1.8	.8	1.0											32	42	30	17
50/ 49		.8	.8	.6	1.2	2.8	.6											34	41	35	15
48/ 47		1.2	.8	1.2	3.4	1.8												42	51	43	30
46/ 45			1.2	2.6	3.2	.8	.2											40	50	35	20
44/ 43		.4	1.2	3.4	2.0	.6	.6											41	51	25	19
42/ 41	.2		.6	2.2	1.2	.6												24	31	35	16
40/ 39	.2	.2	.2	1.8	1.6													20	25	60	25
38/ 37	.4	.4	.4	.8	.4													12	17	43	26
36/ 35	.2	.4	1.0	1.6														16	18	30	40
34/ 33	.4	.6	1.0	.4														12	18	22	24
32/ 31		.2	.2															2	3	24	35
30/ 29																				14	22
28/ 27			.4	.2														3	3	2	40
26/ 25																					47
24/ 23																				2	24
22/ 21																				1	16
20/ 19																					9
18/ 17																					7
16/ 15																					5
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

NOV

PAGE 2 1500-1700
HOURS (L. S. Y.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD #1
STATION	STATION NAME

70-76

YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

72-78

NOV
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-7a

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
82/ 61						.0		.0	.0									3	3				
80/ 79						.2					.0							5	5				
78/ 77					.1	.0		.0	.1									6	6				
76/ 75				.0	.0	.0	.1	.2	.1									12	13				
74/ 73				.2	.1	.1	.2	.0	.0									17	20				
72/ 71			.1	.1	.0	.2	.1	.2	.1									22	26	1			
70/ 69		.0	.1	.2	.1	.3	.1	.1	.0	.1	.0							28	33	9			
68/ 67			.2	.3	.0	.2	.3	.1	.0	.1	.0							32	40	13			
66/ 65		.4	.4	.1	.0	.4	.5	.1	.0									51	73	11	10		
64/ 63	.1	.4	.4	.3	.5	.2	.1	.2	.0									55	84	34	24		
62/ 61	.0	.8	.5	.5	.6	.5	.3	.2	.2									89	114	46	19		
60/ 59	.2	.8	.5	.5	.6	.8	.7	.4	.1									115	158	53	48		
58/ 57	.3	.7	.6	.7	.5	1.0	.7	.2	.0									119	176	74	41		
56/ 55	.3	1.4	1.2	1.1	.9	.9	.4	.1										158	177	82	59		
54/ 53	.2	1.4	1.1	.9	1.6	1.0	.6											172	209	115	81		
52/ 51	.6	.8	1.0	1.1	1.2	.7	.5	.0										146	199	132	75		
50/ 49	.4	.8	1.5	1.0	.8	1.4	.3											157	212	141	81		
48/ 47	.2	.8	1.2	1.2	2.7	1.1												182	224	165	101		
46/ 45	.2	.4	1.6	2.4	2.5	.5	.1											194	259	186	104		
44/ 43	.1	.8	1.7	2.5	1.9	.4	.2											190	245	125	88		
42/ 41	.1	.8	1.5	2.7	1.3	.2												167	215	160	89		
40/ 39	.2	1.3	1.4	2.4	1.6													174	220	249	134		
38/ 37	.4	.8	1.7	1.7	.4													124	149	229	138		
36/ 35	.1	1.0	1.9	1.7	.0													118	157	191	181		
34/ 33	.1	1.0	1.4	.6														77	106	170	126		
32/ 31		.7	.8	.3														46	59	153	179		
30/ 29		.4	.3	.1														21	29	95	169		
28/ 27		.1	.4	.1														15	16	35	190		
26/ 25		.0	.2															6	6	16	188		
24/ 23			.3															7	7	8	127		
22/ 21			.1															2	2	9	97		
20/ 19			.0															1	1	8	60		
18/ 17		.0	.1															3	3		43		
16/ 15																				4	24		
Element (X)	Σ x ²			Σ x			X			x _h			No. Obs.			Mean No. of Hours with Temperature							
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

93744
STAT

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78

YEARS

NOV
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-78

DEC
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
58/ 57		.4																1	3					
56/ 55	.4		.4															2	3	2	2			
54/ 53		.9																2	3	2				
52/ 51	.9																	2	2	3	3			
50/ 49	1.3	.9					.4											6	8	3	5			
48/ 47	.4	.4	.4	.9		.4												6	10	4	1			
46/ 45	1.3	.9	.4	.4														7	9	3	6			
44/ 43	1.3	3.5	2.2	.4														17	19	7	5			
42/ 41	.4	3.0	1.3	.9														13	15	14	5			
40/ 39	1.3	1.7	3.0	1.3	.9													19	20	18	13			
38/ 37	2.2	1.7	3.9	1.7														22	30	11	10			
36/ 35	1.3	3.9	3.9	1.3	.4													25	38	20	10			
34/ 33	.4	1.3	7.0	.9	.4													23	32	21	10			
32/ 31	.4	3.9	1.7	.4														15	24	22	15			
30/ 29	.4	1.7	3.0	.4														13	19	26	15			
28/ 27		4.6	1.3	.9														16	20	12	17			
26/ 25		1.3	3.9															12	16	17	13			
24/ 23		2.2																5	6	12	18			
22/ 21		3.0																7	10	12	14			
20/ 19	.4	1.3	1.7															8	14	6	15			
18/ 17		.9	.4															3	7	4	10			
16/ 15		.9	1.7															6	8	5	16			
14/ 13																				3	7			
12/ 11																				3	5			
10/ 9																					2			
8/ 7																					4			
6/ 5																					1			
4/ 3																					2			
2/ 1																					1			
0/ -1																					1			
-2/ -3																					1			
-10/-11																					3			
TOTAL	12.6	88.7	76.5	9.6	1.7	.4	.4											230	316	230	230			

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1340462	17150	74.6	16.410	230	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	395553	10815	34.2	8.982	316		36.5					93
Wet Bulb	254518	7374	32.1	8.891	230		49.3					93
Dew Point	190345	6177	26.9	11.904	230	2.0	64.7					93

PSYCHROMETRIC SUMMARY

70-78

DEC
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

93744 STATION MARTIN MARIETTA AIRFIELD MO 70-78 YEARS MONTH DEC
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69				.2														1	3		
68/ 67																			1		
66/ 65																				1	
64/ 63						.4	.4	.5										7	7		
62/ 61		.2		.2														2	2		1
60/ 59		.5	.2															4	4	1	
58/ 57	.7	.7		.4	.2	.2	.2	.2										14	14	8	6
56/ 55			.2	.4	.5	.2	.4											9	9	5	6
54/ 53				.4	.7	.9	.5	.2										15	15	2	1
52/ 51	.4		1.1	1.1	.7	.4	.9	.2										26	27	7	2
50/ 49	.9	.7	.4	1.2	1.1	.5	.4											29	31	14	6
48/ 47	1.1	1.2	1.4	1.4	1.6	1.8	.2											49	58	26	12
46/ 45	1.6	1.6	.7	1.8	3.4	.5												54	65	31	23
44/ 43	.4	1.8	.5	2.7	3.0	.7												51	64	37	16
42/ 41	.5	1.8	2.3	2.5	2.9	.7	.2											61	69	41	17
40/ 39	.5	2.3	2.1	3.7	2.1	.2												62	72	57	33
38/ 37	.9	.7	1.4	5.4	.9													52	56	69	24
36/ 35	.7	.4	1.2	1.8	1.2													30	31	61	37
34/ 33	.2	.2	1.2	3.6	.2													30	34	42	19
32/ 31	.2		1.8	1.2														18	24	52	29
30/ 29			.7	.9														9	12	26	38
28/ 27	.5	.2	.7	.9														13	17	35	42
26/ 25	.2		1.2	.5														11	13	11	50
24/ 23		.2	.5	.2														5	7	10	40
22/ 21		.2	1.2															8	9	14	40
20/ 19																				3	36
18/ 17																				8	16
16/ 15																					16
14/ 13																					12
12/ 11																					13
10/ 9																					10
8/ 7																					6
6/ 5																					2
4/ 3																					5
Element (X)	Σ x ²		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

70-78

DEC
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

79-78

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744
STATIC

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-78

DEC

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-78

YEARS

DEC

MONTH

PAGE 1

2100-2300

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

93744	MARTIN MARIETTA AIRFIELD MD
STATION	STATION NAME

70-72

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-79

ALL MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
100/ 99																		1	1													
98/ 97									.0		.0	.0						4	6													
96/ 95							.0	.0	.0	.0	.0		.0					21	24													
94/ 93					.0	.0	.0	.0	.0	.1	.0		.0					54	62													
92/ 91					.0	.0	.0	.1	.1	.0	.0	.0						99	120													
90/ 89				.0	.0	.1	.1	.2	.1	.1	.1	.1	.0					215	265													
88/ 87			.0	.0	.1	.2	.3	.2	.1	.1	.1	.0	.0	.0	.0			342	415													
86/ 85			.0	.1	.2	.3	.3	.3	.3	.1	.1	.0	.0	.0	.0			606	731	3												
84/ 83		.0	.0	.2	.4	.5	.5	.4	.2	.1	.1	.0	.0	.0	.0			764	970	21	1											
82/ 81		.0	.1	.5	.8	.7	.7	.3	.3	.2	.1	.0	.0	.0	.0			1054	1279	48	16											
80/ 79		.0	.2	.7	.7	.9	.3	.5	.3	.1	.1	.0	.0					1184	1467	151	36											
78/ 77	.0	.1	.4	.7	.9	.4	.5	.3	.3	.2	.1	.0	.0					1114	1430	327	93											
76/ 75		.3	.5	.8	.5	.6	.4	.4	.3	.1	.0	.0	.0	.0	.0			1195	1540	792	220											
74/ 73	.0	.5	.6	.8	.4	.6	.4	.3	.2	.1	.0	.0	.0		.0			1156	1429	1183	449											
72/ 71	.1	.6	.6	.5	.7	.6	.4	.3	.2	.1	.0	.0	.0		.0			1161	1436	1189	977											
70/ 69	.2	.5	.8	.5	.6	.5	.3	.3	.2	.1	.0	.0						1218	1470	1506	1136											
68/ 67	.0	.3	.5	.6	.4	.5	.3	.2	.1	.1	.0	.0						958	1191	1303	1101											
66/ 65	.1	.7	.6	.6	.5	.4	.4	.2	.2	.1	.0	.0						1103	1359	1329	1148											
64/ 63	.1	.5	.6	.5	.5	.5	.3	.2	.2	.1	.0	.0						1007	1273	1249	1206											
62/ 61	.1	.5	.4	.4	.5	.4	.3	.3	.1	.0	.0							914	1125	1238	1097											
60/ 59	.1	.7	.4	.4	.4	.4	.5	.3	.1	.0	.0							956	1249	1166	1040											
58/ 57	.1	.5	.3	.3	.4	.5	.5	.2	.0									862	1159	1144	1166											
56/ 55	.1	.5	.4	.5	.4	.6	.4	.1	.0									907	1136	951	1066											
54/ 53	.1	.6	.4	.4	.5	.5	.4	.1	.0									881	1131	925	924											
52/ 51	.2	.5	.4	.5	.5	.5	.3	.1	.0									842	1120	882	962											
50/ 49	.1	.5	.4	.5	.6	.5	.3	.1										867	1135	1016	839											
48/ 47	.2	.5	.5	.6	.8	.5	.1	.0	.0									950	1188	990	872											
46/ 45	.2	.6	.6	.8	.8	.4	.1	.0										1056	1305	1107	947											
44/ 43	.2	.6	.6	.7	.8	.3	.1											959	1214	1015	791											
42/ 41	.1	.6	.6	.8	.7	.2	.0											893	1118	1009	760											
40/ 39	.2	.7	.8	.9	.6	.1	.0											974	1262	1196	933											
38/ 37	.3	.6	.7	.9	.4	.0												882	1096	1130	813											
36/ 35	.2	.6	.7	.8	.2	.0												760	1013	1149	1049											
34/ 33	.1	.6	.8	.7	.2	.0												705	988	961	858											
Element (X)	Σ X ²			Σ X			Σ			Σ _x			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total				
Dry Bulb																																
Wet Bulb																																
Dew Point																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93744 MARTIN MARIETTA AIRFIELD MD 70-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN			42.5										42.5											
	S D																								
	TOTAL OBS			2										2											
03-05	MEAN				71.0			76.0	70.3	66.0	53.7			66.5											
	S D							5.282						11.370											
	TOTAL OBS				1			2	4	1	3			11											
06-08	MEAN	29.7	29.0	39.8	50.6	59.5	68.7	72.6	71.8	65.0	52.1	43.1	34.2	54.2											
	S D	9.725	10.717	8.872	8.466	7.453	6.331	5.538	5.487	7.030	8.996	9.679	8.982	17.286											
	TOTAL OBS	358	335	330	338	483	476	487	587	581	559	321	316	5166											
09-11	MEAN	32.4	34.4	44.5	55.5	65.2	74.4	78.7	78.3	71.6	58.8	48.2	38.1	56.5											
	S D	9.364	10.935	9.069	9.378	8.133	6.810	6.102	5.487	7.207	8.249	9.545	8.233	18.438											
	TOTAL OBS	729	673	643	621	635	624	627	728	708	736	699	658	8091											
12-14	MEAN	35.7	38.4	48.4	59.4	68.5	77.6	81.8	81.6	75.3	63.0	52.0	41.8	60.2											
	S D	9.411	11.371	9.370	10.082	8.426	6.962	6.154	5.146	7.440	8.393	10.096	8.373	18.400											
	TOTAL OBS	716	649	636	616	626	618	616	720	697	721	690	644	7947											
15-17	MEAN	36.1	39.2	50.1	61.0	69.5	78.6	82.4	81.8	75.7	62.9	51.4	42.2	60.2											
	S D	9.266	11.648	9.446	10.034	8.842	6.697	6.217	5.285	6.970	8.131	9.974	8.774	18.425											
	TOTAL OBS	647	615	573	572	538	516	525	642	597	620	623	593	7081											
18-20	MEAN	33.2	35.5	46.8	58.1	66.9	75.2	79.3	78.0	71.0	57.3	47.5	38.6	56.9											
	S D	8.823	10.973	8.978	9.430	8.399	6.347	5.882	5.222	6.973	7.934	9.754	8.635	18.158											
	TOTAL OBS	524	491	447	484	482	435	437	519	510	541	490	484	5784											
21-23	MEAN	30.2	31.6	43.6	53.6	63.0	71.1	75.3	74.1	67.4	53.6	45.0	36.3	50.2											
	S D	8.795	10.202	8.690	8.657	7.131	5.845	5.238	5.489	6.579	8.015	9.393	8.839	17.621											
	TOTAL OBS	414	394	345	325	215	213	217	267	261	281	403	394	3729											
ALL HOURS	MEAN	33.3	35.4	46.1	57.0	65.8	74.8	78.8	78.2	71.6	58.7	48.6	39.1	57.1											
	S D	9.572	11.540	9.661	10.051	8.858	7.408	6.852	6.481	8.070	9.257	10.214	8.982	18.418											
	TOTAL OBS	3388	3157	2974	2927	2956	2882	2911	3477	3335	3471	3246	3089	37811											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93744

MARTIN MARIETTA AIRFIELD MD

70-79

STATION		STATION NAME												YEARS	
HRS IL ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
03-05	MEAN				62.7			72.5	65.7	64.0	52.3			62.5	
	S D													10.794	
	TOTAL OBS				1			2	3	1	3			10	
06-08	MEAN	26.5	28.5	36.5	45.3	55.0	64.0	67.9	67.5	61.4	49.7	39.6	32.1	51.4	
	S D	9.434	9.675	8.858	8.578	7.280	6.492	5.298	5.558	7.280	9.575	9.929	8.891	16.225	
	TOTAL OBS	258	240	260	272	400	402	388	503	468	457	246	230	4124	
09-11	MEAN	29.4	31.2	39.0	47.3	57.5	66.1	69.8	70.1	64.4	52.9	43.2	34.5	50.6	
	S D	8.859	9.701	8.705	8.522	7.454	6.371	5.427	5.321	7.117	8.800	9.495	7.852	16.533	
	TOTAL OBS	629	589	566	572	568	578	556	687	655	676	620	593	7289	
12-14	MEAN	32.0	34.0	41.1	49.2	58.9	66.8	70.7	71.1	65.7	54.7	45.3	37.0	52.5	
	S D	8.654	9.446	8.326	8.159	7.259	6.469	5.461	5.246	7.090	8.425	9.396	8.022	15.880	
	TOTAL OBS	604	549	539	556	550	562	539	660	625	645	604	560	6993	
15-17	MEAN	32.3	34.9	41.8	49.8	59.1	67.6	70.7	70.7	65.5	54.7	44.5	37.4	52.0	
	S D	8.470	9.170	7.886	7.864	6.798	6.294	5.241	5.162	6.947	8.423	8.947	8.532	15.618	
	TOTAL OBS	477	456	445	463	402	385	388	506	471	482	499	454	5428	
18-20	MEAN	30.8	33.4	39.9	48.3	58.1	66.9	69.8	69.3	63.9	52.2	41.3	34.5	50.9	
	S D	8.457	8.933	7.850	7.591	6.669	5.938	4.914	5.181	6.691	8.654	8.869	8.490	15.845	
	TOTAL OBS	315	282	286	302	286	290	270	355	347	365	322	311	3731	
21-23	MEAN	29.3	31.4	37.8	46.0	56.3	66.1	68.8	67.6	62.0	50.3	38.8	32.6	45.6	
	S D	8.729	8.792	7.678	7.610	6.452	6.059	4.899	5.412	6.119	9.140	8.770	8.523	15.980	
	TOTAL OBS	197	157	170	155	93	93	88	144	141	151	223	209	1821	
	MEAN														
	S D														
	TOTAL OBS														
ALL HOURS	MEAN	30.4	32.6	39.8	48.1	57.7	66.3	69.8	69.8	64.2	52.9	43.0	35.3	51.2	
	S D	8.946	9.581	8.463	8.271	7.265	6.436	5.390	5.470	7.174	8.976	9.518	8.474	16.125	
	TOTAL OBS	2480	2273	2266	2321	2299	2310	2231	2858	2708	2779	2514	2357	29396	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93744 MARTIN MARIETTA AIRFIELD MD 70-79

STATION	STATION NAME	YEARS												
HRS (LST)	MEAN S D TOTAL OBS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
03-05					55.0			71.0	63.7	63.0	51.0			60.4 11.088 10
06-08		20.7 12.422 258	22.2 12.148 240	30.9 11.718 260	38.5 11.426 272	50.7 9.599 400	60.7 8.145 402	64.9 6.639 388	65.1 6.530 303	59.0 8.499 468	46.5 11.364 457	35.2 11.991 246	26.9 11.904 230	47.4 18.334 4124
09-11		22.3 12.044 629	23.3 12.283 589	31.1 12.111 566	37.9 11.865 572	51.2 10.437 568	61.1 8.674 578	65.0 7.315 556	65.9 7.008 687	59.9 9.281 655	47.2 11.857 676	36.8 12.105 620	28.3 10.659 593	44.4 18.914 7289
12-14		23.7 11.761 604	24.4 12.117 549	31.1 12.240 539	38.4 11.657 556	51.3 10.648 550	60.5 9.229 562	64.8 7.651 539	65.7 7.378 660	59.9 9.532 625	47.1 11.935 645	37.4 12.149 604	29.2 11.175 560	44.8 18.556 6993
15-17		23.4 11.656 477	24.8 11.814 456	31.1 11.660 445	38.6 11.180 463	50.9 10.336 402	61.0 9.108 385	64.6 7.471 388	65.1 7.425 506	59.1 9.582 471	47.1 11.935 482	36.3 11.677 499	29.6 11.861 454	43.9 18.353 5428
18-20		23.0 11.222 315	25.0 11.405 282	30.6 11.540 286	38.4 10.174 302	51.5 9.177 286	61.6 8.382 290	64.6 6.987 270	64.8 6.968 355	59.5 8.451 347	47.2 11.059 365	34.4 10.753 322	28.0 11.332 311	44.3 18.222 3731
21-23		21.4 11.357 197	24.1 11.929 157	29.9 11.234 170	38.1 9.963 155	51.4 8.442 93	62.6 8.072 93	65.2 6.522 88	64.7 6.343 144	59.0 7.312 141	46.8 11.013 151	32.6 10.538 223	26.9 11.206 209	40.1 18.411 1821
	MEAN S D TOTAL OBS													
ALL HOURS		22.7 11.813 2480	24.0 12.022 2273	30.9 11.866 2266	38.3 11.292 2321	51.1 10.098 2299	61.0 8.743 2310	64.9 7.237 2231	65.4 7.060 2858	59.5 9.068 2708	47.0 11.655 2779	36.0 11.799 2514	28.5 11.307 2357	44.5 18.593 29396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93744 MARTIN MARIETTA AIRFIELD MD
STATION STATION NAME

71-79
PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	99.2	98.8	98.4	88.8	76.4	57.8	36.4	17.4	73.1	258
	09-11	100.0	100.0	99.7	95.2	80.8	59.3	40.1	27.5	12.9	67.1	629
	12-14	100.0	100.0	99.0	90.1	71.7	47.5	28.6	17.5	8.9	61.9	604
	15-17	100.0	100.0	97.9	86.4	66.9	43.0	25.4	14.0	7.1	59.8	477
	18-20	100.0	100.0	99.4	92.4	78.1	56.2	31.7	17.5	7.6	63.9	315
	21-23	100.0	100.0	99.0	95.4	85.3	68.5	44.7	22.3	9.6	68.4	197
TOTALS		100.0	99.9	99.0	93.0	78.6	58.5	38.1	22.5	10.6	65.7	2480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93744 MARTIN MARIETTA AIRFIELD MD

71-79

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05											
	06-08	100.0	100.0	99.6	95.4	87.9	72.5	47.9	31.7	15.0	70.6	240
	09-11	100.0	99.8	98.0	91.5	74.4	53.0	32.6	20.0	10.2	63.6	589
	12-14	100.0	99.3	95.4	82.9	56.8	35.3	21.1	15.8	7.1	57.1	549
	15-17	100.0	98.9	94.3	76.1	50.0	33.1	21.5	15.1	8.8	55.3	456
	18-20	100.0	100.0	98.9	88.3	67.0	43.6	26.2	16.7	13.1	61.0	282
	21-23	100.0	100.0	100.0	94.3	77.1	54.1	39.5	24.8	15.3	66.3	157
TOTALS		100.0	99.7	97.7	88.1	68.9	48.6	31.5	20.7	11.6	62.3	2273

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

OCT
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	33.3	90.3	3
	06-08	100.0	100.0	100.0	99.8	95.6	89.7	77.2	56.5	26.9	80.3	457
	09-11	100.0	100.0	100.0	94.7	78.6	59.2	39.9	26.0	13.0	66.9	676
	12-14	100.0	100.0	97.8	79.2	57.8	42.3	25.7	16.7	8.5	58.5	645
	15-17	100.0	100.0	97.3	79.7	59.3	42.3	25.7	14.7	7.1	58.3	482
	18-20	100.0	100.0	98.6	96.7	88.8	72.9	50.4	26.6	7.9	70.0	365
	21-23	100.0	100.0	100.0	98.7	97.4	87.4	72.2	50.3	21.2	78.3	151
TOTALS		100.0	100.0	99.1	92.7	82.5	70.5	55.9	41.5	16.8	71.8	2779

RELATIVE HUMIDITY

NOV
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.2	95.1	83.3	65.4	38.6	18.3	75.8	246
	09-11	100.0	100.0	99.7	96.1	79.7	55.6	40.2	22.7	12.7	66.3	620
	12-14	100.0	100.0	98.5	86.1	63.9	40.2	25.5	14.7	7.3	59.5	604
	15-17	100.0	99.8	97.2	85.2	63.3	39.9	25.3	14.8	7.4	59.1	499
	18-20	100.0	100.0	99.7	95.7	80.1	55.0	32.6	15.5	6.2	64.3	322
	21-23	100.0	100.0	100.0	98.2	88.3	69.2	41.7	20.6	8.5	67.5	223
TOTALS		100.0	100.0	99.2	93.4	78.4	56.2	38.5	21.2	10.1	65.4	2514

RELATIVE HUMIDITY

DEC

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02											
	03-05											
	06-08	100.0	100.0	99.6	97.0	93.9	79.6	54.8	37.0	21.3	74.6	230
	09-11	99.8	99.8	99.7	97.8	87.0	65.3	42.5	27.7	17.4	69.4	593
	12-14	100.0	100.0	99.1	91.8	69.3	44.6	28.8	21.4	15.7	62.6	560
	15-17	100.0	100.0	98.9	88.3	70.5	48.9	28.0	20.9	15.4	62.8	454
	18-20	100.0	100.0	99.4	97.1	87.8	62.1	38.3	21.9	14.1	67.7	311
	21-23	100.0	100.0	100.0	98.6	92.8	75.6	45.9	32.5	16.7	71.7	209
TOTALS		100.0	100.0	99.5	95.1	83.6	62.7	39.7	26.9	16.8	68.1	2357

USAFETAC FORM 0-87.5 (C - A)
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

93744
STATION

MARTIN MARIETTA AIRFIELD MD
STATION NAME

70-79
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	99.0	93.0	78.6	58.5	38.1	22.5	10.6	65.7	2480
FEB		100.0	99.7	97.7	88.1	68.9	48.6	31.5	20.7	11.6	62.3	2273
MAR		100.0	99.9	95.2	81.0	60.8	43.6	30.1	20.3	12.2	59.9	2266
APR		100.0	99.8	92.3	75.7	56.7	27.4	18.2	11.1	4.9	54.6	2321
MAY		100.0	99.7	96.2	86.0	71.8	51.6	34.6	22.8	11.0	63.0	2299
JUN		100.0	100.0	98.1	90.6	77.3	60.6	42.3	23.5	7.8	65.6	2310
JUL		100.0	99.9	99.6	94.8	82.7	64.8	45.7	29.2	3.8	67.5	2231
AUG		100.0	100.0	99.9	97.3	87.6	71.6	52.6	29.0	5.0	69.9	2858
SEP		100.0	100.0	99.4	95.5	87.8	73.7	57.1	39.0	7.0	72.2	2708
OCT		100.0	100.0	99.1	92.7	82.5	70.5	55.9	41.5	16.8	71.8	2779
NOV		100.0	100.0	99.2	93.4	78.4	56.2	38.5	21.2	10.1	65.4	2514
DEC		100.0	100.0	99.5	95.1	83.6	62.7	39.7	26.9	16.8	68.1	2357
TOTALS		100.0	99.9	97.7	90.3	76.4	57.5	40.4	25.6	9.8	65.5	29396

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

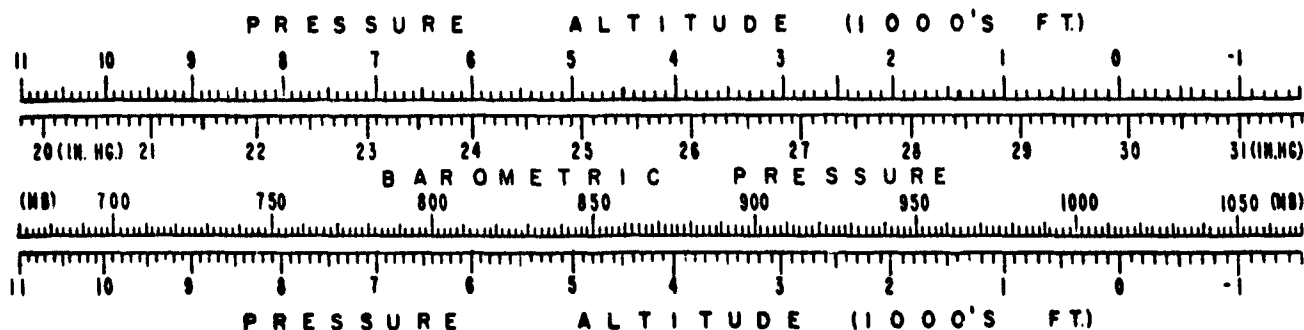
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

93744 MARTIN MARIETTA AIRFIELD MD 70-79

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN S D TOTAL OBS													
04	MEAN S D TOTAL OBS										30.260			30.260
07	MEAN S D TOTAL OBS	30.029 .341 115	30.070 .264 110	30.033 .237 115	30.015 .250 119	29.979 .173 212	29.982 .181 207	30.012 .140 208	30.039 .124 245	30.066 .164 234	30.108 .221 225	30.129 .226 97	30.063 .319 97	30.042 .214 1984
10	MEAN S D TOTAL OBS	30.092 .302 243	30.077 .290 225	30.022 .270 214	30.002 .256 206	29.983 .175 212	29.986 .182 208	30.020 .136 209	30.064 .124 247	30.076 .169 236	30.129 .230 245	30.096 .250 233	30.111 .277 219	30.057 .234 2697
13	MEAN S D TOTAL OBS	30.033 .301 239	30.036 .291 216	29.979 .275 213	29.959 .249 206	29.953 .174 209	29.962 .180 206	30.000 .135 206	30.039 .120 240	30.041 .164 233	30.083 .226 241	30.045 .246 229	30.055 .275 212	30.017 .231 2650
16	MEAN S D TOTAL OBS	30.024 .296 216	30.010 .286 207	29.948 .261 191	29.924 .244 195	29.926 .167 187	29.935 .170 175	29.974 .135 182	30.007 .118 222	30.019 .163 203	30.059 .221 217	30.035 .244 213	30.043 .278 198	29.994 .228 2406
19	MEAN S D TOTAL OBS	30.046 .292 175	30.049 .274 163	29.997 .236 149	29.936 .227 151	29.933 .161 150	29.942 .170 145	29.983 .133 146	30.030 .113 168	30.029 .158 169	30.090 .213 181	30.069 .221 164	30.068 .284 160	30.017 .222 1921
22	MEAN S D TOTAL OBS	30.039 .325 143	30.076 .267 136	30.020 .245 117	29.962 .249 113	29.986 .167 79	29.988 .148 79	30.016 .122 84	30.065 .110 109	30.054 .158 108	30.077 .227 114	30.084 .225 143	30.077 .301 143	30.042 .235 1368
ALL HOURS	MEAN S D TOTAL OBS	30.046 .307 1131	30.050 .282 1057	29.996 .259 999	29.965 .248 990	29.959 .172 1049	29.966 .175 1020	30.001 .136 1035	30.042 .121 1231	30.048 .165 1183	30.093 .224 1224	30.071 .240 1079	30.070 .286 1029	30.028 .229 13027

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93744 MARTIN MARIETTA AIRFIELD MD 70-76

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN S D TOTAL OBS													
04	MEAN S D TOTAL OBS													
07	MEAN S D TOTAL OBS	1020.9 7.545 23	1016.0 8.476 26	1016.5 8.475 51	1016.3 8.347 59	1015.6 5.568 150	1016.1 6.336 147	1016.9 4.733 142	1020.0 5.269 152	1020.9 7.190 144	1023.0 8.717 131	1018.6 12.191 3	1019.9 8.232 4	1018.4 7.232 1032
10	MEAN S D TOTAL OBS	1021.3 8.408 150	1018.9 10.199 141	1017.0 9.476 153	1016.3 8.345 146	1015.7 5.633 150	1016.4 6.378 148	1017.1 4.638 143	1020.2 5.192 154	1021.3 7.237 146	1024.0 9.581 152	1020.4 9.337 143	1021.3 8.302 126	1019.1 8.312 1752
13	MEAN S D TOTAL OBS	1019.4 8.540 144	1017.7 10.229 134	1015.6 9.487 151	1014.9 8.224 146	1014.6 5.500 147	1015.6 6.285 146	1016.4 4.583 140	1019.4 5.174 147	1020.1 6.953 144	1022.3 9.549 148	1018.4 9.016 139	1019.6 8.111 119	1017.8 8.154 1707
16	MEAN S D TOTAL OBS	1019.2 8.270 123	1016.7 10.130 125	1014.6 9.010 129	1013.8 8.129 135	1013.7 5.247 125	1014.6 5.939 115	1015.6 4.599 116	1018.4 5.145 129	1019.2 6.845 113	1020.9 9.564 124	1017.7 9.153 121	1019.2 8.524 105	1016.9 8.108 1460
19	MEAN S D TOTAL OBS	1020.3 7.785 82	1018.0 9.791 81	1016.6 7.999 87	1013.9 7.262 91	1013.9 4.848 88	1014.8 6.207 85	1015.9 4.609 80	1017.2 3.844 75	1019.3 6.682 79	1022.5 8.990 88	1018.3 7.810 74	1020.4 8.779 67	1017.5 7.699 977
22	MEAN S D TOTAL OBS	1020.9 7.986 50	1019.4 9.636 54	1016.6 9.170 56	1013.7 8.496 53	1015.7 5.846 16	1018.0 4.532 19	1017.3 3.787 18	1017.5 3.544 17	1019.5 5.914 18	1018.9 8.807 21	1018.0 7.969 53	1021.2 9.778 50	1018.1 8.394 425
ALL HOURS	MEAN S D TOTAL OBS	1020.2 8.268 574	1017.9 10.011 561	1016.1 9.092 627	1014.9 8.223 630	1014.8 5.431 676	1015.7 6.233 660	1016.5 4.632 639	1019.2 5.115 674	1020.3 7.017 644	1022.5 9.386 664	1018.7 8.903 533	1020.2 8.569 471	1018.0 8.050 7353